

2025-05-25 01:13:06 - Attempting to retrieve the root directory of the data partition.  
2025-05-25 01:13:06 - Found 6 handles that supported SimpleFileSystem  
2025-05-25 01:13:06 - Checking handle 0 (C6E8A418)  
2025-05-25 01:13:06 - Handle is own partition  
2025-05-25 01:13:06 - Checking handle 1 (C6E72C98)  
2025-05-25 01:13:06 - HD node found: MBR type(2), Signature type(2), Part #(2), Start LBA(524288), Num Sectors(524288)  
2025-05-25 01:13:06 - Self node: MBR type(2), Signature type(2), Part #(1), Start LBA(2048), Num Sectors(522240)  
2025-05-25 01:13:06 - Checking handle 2 (C61E7898)  
2025-05-25 01:13:06 - Checking handle 3 (C5B3BF98)  
2025-05-25 01:13:06 - Checking handle 4 (C5B3A618)  
2025-05-25 01:13:06 - Checking handle 5 (C5B3AA18)  
2025-05-25 01:13:06 - Found 12 handles that supported Block I/O protocol  
2025-05-25 01:13:06 - HD node found: MBR type(2), Signature type(2), Signature(50415353-CE04-4F8F-AC32-6F3693F43704), Part #(1), Start LBA(2048), Num Sectors(522240)  
2025-05-25 01:13:06 - HD node found: MBR type(2), Signature type(2), Signature(50415353-6343-46C0-B68C-69EE6326F32B), Part #(2), Start LBA(524288), Num Sectors(524288)  
2025-05-25 01:13:06 - HD node found: MBR type(2), Signature type(2), Signature(50415353-2A40-4503-B2F7-474E00EBFBAA), Part #(3), Start LBA(1048576), Num Sectors(1048543)  
2025-05-25 01:13:06 - Found DMA Test Partition  
2025-05-25 01:13:06 - Successfully obtained Block I/O protocol  
2025-05-25 01:13:06 - Successfully obtained Partition Info protocol  
2025-05-25 01:13:06 - Revision: 0x1000  
2025-05-25 01:13:06 - Type: 0x2  
2025-05-25 01:13:06 - System: 0x0  
2025-05-25 01:13:06 - GPT - PartitionTypeGUID: EBD0A0A2-B9E5-4433-87C0-68B6B72699C7  
2025-05-25 01:13:06 - GPT - UniquePartitionGUID: 50415353-2A40-4503-B2F7-474E00EBFBAA  
2025-05-25 01:13:06 - GPT - StartingLBA: 0x100000  
2025-05-25 01:13:06 - GPT - EndingLBA: 0x1FFFDE  
2025-05-25 01:13:07 - GPT - Attributes: 0x0  
2025-05-25 01:13:07 - GPT - PartitionName: DMA Test Partition  
2025-05-25 01:13:07 - Media ID: 0x00000000  
2025-05-25 01:13:07 - Removable: yes  
2025-05-25 01:13:07 - Media Present: yes  
2025-05-25 01:13:07 - Logical Part: yes  
2025-05-25 01:13:07 - Read-only: no  
2025-05-25 01:13:07 - Write cache: no  
2025-05-25 01:13:07 - Block size: 512  
2025-05-25 01:13:07 - Align: 0  
2025-05-25 01:13:07 - Last block: 0xFFFFDE  
2025-05-25 01:13:07 - Lowest LBA: 0x0  
2025-05-25 01:13:07 - Log blks per phys blk: 0  
2025-05-25 01:13:07 - Optimal transfer len: 0  
2025-05-25 01:13:07 - [FS0]  
2025-05-25 01:13:07 -  
PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x0)/USB(0x7,0x0)/HD(1,GPT,50415353-CE04-4F8F-AC32-6F3693F43704,0x800,0x7F800)

2025-05-25 01:13:07 - File system info buffer size: 38  
2025-05-25 01:13:07 - Label: "", Mode: RW, Free space: 246 MB / 254 MB (0%)  
2025-05-25 01:13:07 - [FS1]  
2025-05-25 01:13:07 -  
PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x0)/USB(0x7,0x0)/HD(2,GPT,50415353-6343-46C0-B68C-69EE6326F32B,0x80000,0x80000)  
2025-05-25 01:13:07 - File system info buffer size: 38  
2025-05-25 01:13:07 - Label: "", Mode: RW, Free space: 247 MB / 255 MB (0%)  
2025-05-25 01:13:07 - [FS2]  
2025-05-25 01:13:07 -  
PciRoot(0x0)/Pci(0x1,0x1)/Pci(0x0,0x0)/Unit(0x1)/HD(2,GPT,DE59B95B-4DA3-4593-A652-88D3C2912958,0x8000,0xE8E00000)  
2025-05-25 01:13:07 - File system info buffer size: 84  
2025-05-25 01:13:07 - Label: "Games - [WD SN850X M.2]", Mode: RO, Free space: 0 MB / 1907711 MB (0%)  
2025-05-25 01:13:07 - [FS3]  
2025-05-25 01:13:07 -  
PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x2)/Pci(0x4,0x0)/Pci(0x0,0x0)/Unit(0x2)/HD(1,GPT,00430FF5-91D0-40A7-A087-CF69C0F99B15,0x800,0x32000)  
2025-05-25 01:13:07 - File system info buffer size: 38  
2025-05-25 01:13:07 - Label: "", Mode: RW, Free space: 62 MB / 96 MB (0%)  
2025-05-25 01:13:07 - [FS4]  
2025-05-25 01:13:07 -  
PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x2)/Pci(0x4,0x0)/Pci(0x0,0x0)/Unit(0x2)/HD(3,GPT,B298853C-EC25-4877-BEAB-D013EDE1428C,0x3A800,0x74582000)  
2025-05-25 01:13:07 - File system info buffer size: 38  
2025-05-25 01:13:07 - Label: "", Mode: RO, Free space: 0 MB / 953091 MB (0%)  
2025-05-25 01:13:07 - [FS5]  
2025-05-25 01:13:08 -  
PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x2)/Pci(0x4,0x0)/Pci(0x0,0x0)/Unit(0x2)/HD(4,GPT,1F568533-A830-43DA-887A-A0DD3F0E1A2D,0x745BC800,0x149800)  
2025-05-25 01:13:08 - File system info buffer size: 38  
2025-05-25 01:13:09 - Label: "", Mode: RO, Free space: 0 MB / 658 MB (0%)  
2025-05-25 01:13:09 - Disabling watchdog timer (Result: Success)  
2025-05-25 01:13:09 - Could not find Simple Network protocol from image device handle  
2025-05-25 01:13:09 - Could not get list of handles that support Simple Network protocol: Not Found  
2025-05-25 01:13:09 - Found 0 handles that supported Simple Network  
2025-05-25 01:13:09 - =====  
2025-05-25 01:13:09 - MemTest86 V11.3 Free Build: 1000 (64-bit)  
2025-05-25 01:13:09 - =====  
2025-05-25 01:13:09 - SMBIOS BIOS INFO Vendor: "American Megatrends Inc.", Version: "2423", Release Date: "08/10/2021"  
2025-05-25 01:13:09 - SMBIOS SYSTEM INFO Manufacturer: "ASUS", Product: "System Product Name", Version: "System Version", S/N: "System Serial Number", SKU: "", Family: ""  
2025-05-25 01:13:09 - SMBIOS: Found SMBIOS BaseboardInformation (pblinAddr=0xCBA010B8, FormattedLen=15, iTotalLen=117)  
2025-05-25 01:13:09 - SMBIOS BASEBOARD INFO Manufacturer: "ASUSTeK COMPUTER INC.", Product: "ROG STRIX B550-F GAMING", Version: "Rev X.0x", S/N: "200670754103726", AssetTag: "Default string", LocationInChassis: "Default string"  
2025-05-25 01:13:09 - EFI Specifications: 2.70

2025-05-25 01:13:09 - Found blacklist file  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-F42C88C8" (BIOS: "", FLAGS: 1) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-F42386C8" (BIOS: "", FLAGS: 1) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-F4238CC8" (BIOS: "", FLAGS: 8) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-F4208DC8" (BIOS: "", FLAGS: 8) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-27ADBB7B4CEE8E61" (BIOS: "", FLAGS: 20) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-7BA5B2DFE22DDD8C" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-7BA5B2D9E42DDD94" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-AF89B6D9451A490B" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-CFF7D910A743CAAF" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-AA95B1DDAB278B95" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Mac-27AD2F918AE68F61" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "80AF" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z97MX-Gaming 5" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z170MX-Gaming 5" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z170X-Gaming 3" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z170X-Gaming 7" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z170X-Gaming GT" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z170X-UD3-CF" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "Z170-HD3P" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "990FXA-UD3" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "990FX Extreme3" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "970A-DS3P" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-Ultra Gaming-CF" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "M5A97 R2.0" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "M5A97 EVO R2.0" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "M5A99FX PRO R2.0" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:09 - [BLACKLIST] Adding "M5A99X EVO R2.0" (BIOS: "", FLAGS: 2) to blacklist

to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-A" (BIOS: "3701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-A/USB 3.1" (BIOS: "3701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-A II" (BIOS: "1701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-A" (BIOS: "1701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "Sabertooth X99" (BIOS: "3701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "SABERTOOTH 990FX R2.0" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "SABERTOOTH 990FX R3.0" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "SABERTOOTH 990FX/GEN3 R2.0" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "STRIX X99 GAMING" (BIOS: "1701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-DELUXE" (BIOS: "3701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X99-DELUXE II" (BIOS: "1701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "RAMPAGE V EXTREME" (BIOS: "3701", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "RAMPAGE V EDITION 10" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "MAXIMUS VIII RANGER" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "P9X79 WS" (BIOS: "", FLAGS: 40) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "P9X79-E WS" (BIOS: "", FLAGS: 40) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "Z9PE-D8 WS" (BIOS: "", FLAGS: 40) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "Z10PE-D8 WS" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9DRW" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9DRW-3LN4F+/X9DRW-3TF+" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9DR3-F" (BIOS: "", FLAGS: 40) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9SRL-F" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9DRD-iF" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9SRA/X9SRA-3" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "X9DRL-7F" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "151-BE-E097" (BIOS: "", FLAGS: 2) to blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "131-HE-E095" (BIOS: "", FLAGS: 2) to

blacklist

2025-05-25 01:13:09 - [BLACKLIST] Adding "131-HE-E095-KR" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "151-HE-E999-KR" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "PRIME B350-PLUS" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "PRIME X370-PRO" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "CROSSHAIR VI HERO" (BIOS: "1602", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "CROSSHAIR V FORMULA-Z" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "ROG STRIX X370-F GAMING" (BIOS: "4012", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "OEMSH Product" (BIOS: "", FLAGS: 8) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "OEMAL Product" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "OEMCT Product" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "OEMWY Product" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "LNVNB161216" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "GA-990FX-GAMING" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "X399 SLI PLUS (MS-7B09)" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "X570 I AORUS PRO WIFI" (BIOS: "F32", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "MS-17EK" (BIOS: "", FLAGS: 2) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "0F685W" (BIOS: "", FLAGS: 80) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "00V5FJ" (BIOS: "", FLAGS: 100) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "ProLiant DL325 Gen10" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "ProLiant DL385 Gen10" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "ProLiant DL385 Gen10 Plus" (BIOS: "", FLAGS: 4) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "06CDVY" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Book" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Book 2" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Pro" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Pro 7" (BIOS: "", FLAGS: 10) to blacklist  
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Pro" (BIOS: "", FLAGS: 10) to

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blacklist
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Laptop 4" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:10 - [BLACKLIST] Adding "Surface Laptop" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:10 - [BLACKLIST] Adding "MACH-WX9-PCB" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:10 - [BLACKLIST] Adding "MACH-WX9" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "8873" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "0P4NHH" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "XPS 17 9710" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "XPS 15 9510" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "01V4T3" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "0VX936" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "H12DST-B" (BIOS: "", FLAGS: 2) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "H12DSi-NT6" (BIOS: "", FLAGS: 2) to blacklist
2025-05-25 01:13:11 - [BLACKLIST] Adding "C3758D4I-4L" (BIOS: "", FLAGS: 2) to blacklist
2025-05-25 01:13:12 - [BLACKLIST] Adding "S5507QAD" (BIOS: "", FLAGS: 10) to blacklist
2025-05-25 01:13:12 - [BLACKLIST] 95 boards added to blacklist
2025-05-25 01:13:12 - Console Control protocol workaround enabled
2025-05-25 01:13:12 - Number of console modes: 4
2025-05-25 01:13:12 - Mode 0: 80 x 25
2025-05-25 01:13:12 - Mode 1: 80 x 50
2025-05-25 01:13:12 - Mode 2: 100 x 31
2025-05-25 01:13:12 - Mode 3: 320 x 75
2025-05-25 01:13:12 - Console attribute: 15
2025-05-25 01:13:12 - Initializing localization strings
2025-05-25 01:13:12 - Language en-US is supported
2025-05-25 01:13:12 - Language fr-FR is supported
2025-05-25 01:13:12 - Language it-IT is supported
2025-05-25 01:13:12 - Language es-AR is supported
2025-05-25 01:13:12 - GetGlyph failed for character 0x00C3 (Warning Unknown Glyph)
2025-05-25 01:13:12 - Language pt-BR is not supported
2025-05-25 01:13:12 - Language ca-ES is supported
2025-05-25 01:13:12 - Language de-DE is supported
2025-05-25 01:13:12 - GetGlyph failed for character 0x010C (Warning Unknown Glyph)
2025-05-25 01:13:12 - Language cs-CZ is not supported
2025-05-25 01:13:12 - GetGlyph failed for character 0x0104 (Warning Unknown Glyph)
2025-05-25 01:13:12 - Language pl-PL is not supported
2025-05-25 01:13:12 - Language ru-RU is supported
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2025-05-25 01:13:12 - GetGlyph failed for character 0x3041 (Warning Unknown Glyph)  
2025-05-25 01:13:12 - Language ja-JP is not supported  
2025-05-25 01:13:12 - GetGlyph failed for character 0x4E0F (Warning Unknown Glyph)  
2025-05-25 01:13:12 - Language zh-CN is not supported  
2025-05-25 01:13:12 - GetGlyph failed for character 0xF944 (Warning Unknown Glyph)  
2025-05-25 01:13:12 - Language zh-HK is not supported  
2025-05-25 01:13:12 - Font does not support all languages. Installing unicode font...  
2025-05-25 01:13:12 - InitFont - Font header version: 1.1  
2025-05-25 01:13:12 - InitFont - Number of narrow glyphs: 7110  
2025-05-25 01:13:12 - InitFont - Number of wide glyphs: 49976  
2025-05-25 01:13:12 - Language en-US is supported  
2025-05-25 01:13:12 - Language fr-FR is supported  
2025-05-25 01:13:12 - Language it-IT is supported  
2025-05-25 01:13:12 - Language es-AR is supported  
2025-05-25 01:13:12 - Language pt-BR is supported  
2025-05-25 01:13:12 - Language ca-ES is supported  
2025-05-25 01:13:12 - Language de-DE is supported  
2025-05-25 01:13:12 - Language cs-CZ is supported  
2025-05-25 01:13:12 - Language pl-PL is supported  
2025-05-25 01:13:12 - Language ru-RU is supported  
2025-05-25 01:13:12 - Language ja-JP is supported  
2025-05-25 01:13:12 - Language zh-CN is supported  
2025-05-25 01:13:12 - Language zh-HK is supported  
2025-05-25 01:13:12 - iMS support is NOT available  
2025-05-25 01:13:12 - Initializing screen for graphics  
2025-05-25 01:13:12 - Number of graphics modes: 13  
2025-05-25 01:13:12 - Mode 0: 2560 x 1440  
2025-05-25 01:13:12 - Mode 1: 800 x 600  
2025-05-25 01:13:12 - Mode 2: 1024 x 768 [Current]  
2025-05-25 01:13:12 - Mode 3: 1280 x 720  
2025-05-25 01:13:12 - Mode 4: 1280 x 960  
2025-05-25 01:13:12 - Mode 5: 1280 x 1024  
2025-05-25 01:13:12 - Mode 6: 1366 x 768  
2025-05-25 01:13:12 - Mode 7: 1400 x 1050  
2025-05-25 01:13:12 - Mode 8: 1600 x 1200  
2025-05-25 01:13:12 - Mode 9: 1920 x 1080  
2025-05-25 01:13:12 - Mode 10: 1920 x 1200  
2025-05-25 01:13:13 - Mode 11: 1920 x 1440  
2025-05-25 01:13:13 - Mode 12: 640 x 480  
2025-05-25 01:13:13 - Getting CPUID  
2025-05-25 01:13:13 - Getting cache size  
2025-05-25 01:13:13 - get\_cache\_size - Vendor ID: AuthenticAMD Brand ID: AMD  
Ryzen 7 5800X 8-Core Processor  
2025-05-25 01:13:13 - CPU CorePPack: 16 (0x0000400F)  
2025-05-25 01:13:13 - L1 instruction cache size: 16 x 32KB  
2025-05-25 01:13:13 - L1 data cache size: 16 x 32KB  
2025-05-25 01:13:13 - L2 cache size: 16 x 512KB  
2025-05-25 01:13:13 - L3 cache size: 1 x 32768KB  
2025-05-25 01:13:13 - Measuring CPU/cache/mem speed  
2025-05-25 01:13:13 - cpuspeed - freq = 100000000

```
2025-05-25 01:13:13 - cpuspeed - counter = 0
2025-05-25 01:13:13 - cpuspeed - tsc = 88342124196
2025-05-25 01:13:13 - hpet_init - Found RSDP. Version: 2
2025-05-25 01:13:13 - hpet_init - Found XSDT. Entry Count: 25
2025-05-25 01:13:13 - hpet_init - Found ACPI table: FACP Version: 6
2025-05-25 01:13:13 - hpet_init - Found ACPI table: SSDT Version: 2
2025-05-25 01:13:13 - hpet_init - Found ACPI table: SSDT Version: 1
2025-05-25 01:13:13 - hpet_init - Found ACPI table: SSDT Version: 2
2025-05-25 01:13:13 - hpet_init - Found ACPI table: FIDT Version: 1
2025-05-25 01:13:13 - hpet_init - Found ACPI table: FPDT Version: 1
2025-05-25 01:13:13 - hpet_init - Found ACPI table: MCFG Version: 1
2025-05-25 01:13:13 - hpet_init - Found ACPI table: HPET Version: 1
2025-05-25 01:13:13 - hpet_init - HPET base address: 0xFED00000
2025-05-25 01:13:13 - hpet_init - HPET gen cap: 0x429B17E10228201 (Period:
69841278fs)
2025-05-25 01:13:13 - hpet_init - HPET gen cfg: 0x0
2025-05-25 01:13:13 - hpet_init - HPET is disabled
2025-05-25 01:13:13 - cpuspeed - start ticks: 89155902480, end ticks:
89345907534 (difference: 190005054)
2025-05-25 01:13:13 - cpu_cache_speed - (Attempt 1) clock cycle (ms): 3800101
2025-05-25 01:13:13 - cpuspeed - start ticks: 89454147760, end ticks:
89644153270 (difference: 190005510)
2025-05-25 01:13:13 - cpu_cache_speed - (Attempt 2) clock cycle (ms): 3800110
2025-05-25 01:13:15 - cpuspeed - start ticks: 95246928674, end ticks:
95436931410 (difference: 190002736)
2025-05-25 01:13:15 - cpu_cache_speed - (Attempt 3) clock cycle (ms): 3800054
2025-05-25 01:13:15 - cpu_cache_speed - Using average of last 3 samples
(3800054, 3800110, 3800101)
2025-05-25 01:13:15 - cpu_cache_speed - CPU speed: 3800.0MHz
2025-05-25 01:13:15 - cpu_cache_speed - measuring L1 cache speed at 0xC4D05000
(size: 32 KB, iter: 312500)
2025-05-25 01:13:15 - memspeed - elapsed time = 36 ms
2025-05-25 01:13:15 - cpu_cache_speed - L1 cache speed: 271108 MB/s
2025-05-25 01:13:15 - cpu_cache_speed - measuring L2 cache speed at 0xC4C8D000
(size: 512 KB, iter: 19531)
2025-05-25 01:13:15 - memspeed - elapsed time = 99 ms
2025-05-25 01:13:15 - cpu_cache_speed - L2 cache speed: 100991 MB/s
2025-05-25 01:13:15 - cpu_cache_speed - measuring L3 cache speed at 0xBF5C5000
(size: 32768 KB, iter: 305)
2025-05-25 01:13:15 - memspeed - elapsed time = 185 ms
2025-05-25 01:13:15 - cpu_cache_speed - L3 cache speed: 53980 MB/s
2025-05-25 01:13:15 - get_mem_speed - measuring mem speed at 0xB1145000 (size:
266752 KB, iter: 18)
2025-05-25 01:13:15 - memspeed - elapsed time = 214 ms
2025-05-25 01:13:15 - get_mem_speed - mem speed: 43426 MB/s
2025-05-25 01:13:15 - memory latency - allocate memory
2025-05-25 01:13:15 - memory latency - randomize range
2025-05-25 01:13:15 - memory latency - build linked list
2025-05-25 01:13:15 - memory latency - start test
2025-05-25 01:13:16 - memory latency - test completed (loops=5, rpl=2097152)
2025-05-25 01:13:16 - cpu_cache_speed - Memory latency: 51.879 ns
2025-05-25 01:13:16 - Retrieving CPU MSR data
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - CPU AMD Ryzen 7 5800X 8-Core
Processor :
```

Family: 0x19  
Model: 0x21  
Stepping: 0x0  
2025-05-25 01:13:16 - IsAMDTurboCoreSupported - CPUID[0x80000007][EDX] = 00006799  
2025-05-25 01:13:16 - HWCR register found. CPB enable/disable functionality supported  
2025-05-25 01:13:16 - CPB is: enabled  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[0xC0010292] = 0000000104000012  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR Max Pstates/#boosted states: 8, -1  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C0010064] = 8000000049920898  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 152  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[0] = 38000  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C0010065] = 8000000047160A8C  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 10, CPUFid\_P = 140  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[1] = 28000  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C0010066] = 80000000459A0C84  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 12, CPUFid\_P = 132  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[2] = 22000  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C0010067] = 0000000000000000  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 0, CPUFid\_P = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[3] = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C0010068] = 0000000000000000  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 0, CPUFid\_P = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[4] = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C0010069] = 0000000000000000  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 0, CPUFid\_P = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[5] = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C001006A] = 0000000000000000  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 0, CPUFid\_P = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[6] = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - MSR[C001006B] = 0000000000000000  
2025-05-25 01:13:16 - GetAMDMult - CPUDid\_P = 0, CPUFid\_P = 0  
2025-05-25 01:13:16 - GetAMDFamilyMSRInfo - Multiplier\_P[7] = 0  
2025-05-25 01:13:16 - EnableAMDCPB - MSR[0xC0010015] = 0000000189000011  
2025-05-25 01:13:16 - EnableAMDCPB - New MSR[0xC0010015] = 0000000189000011  
2025-05-25 01:13:16 - AMD MSR enable CPD: MSR[00000000C0010062] = 0x0000000000000000  
2025-05-25 01:13:17 - AMD Set PStateCtl: 0x0000000000000000  
2025-05-25 01:13:17 - Get\_MPERF\_APERF - CPUID[0x6][ECX] = 00000001  
2025-05-25 01:13:17 - Get\_MPERF\_APERF - high perf counter freq = 380088000  
2025-05-25 01:13:17 - MSR 0xC0010293: 00000000000508BA  
2025-05-25 01:13:17 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 186  
2025-05-25 01:13:17 - MSR 0xC0010063: 0000000000000000  
2025-05-25 01:13:17 - MSR 0xC0010062: 0000000000000000  
2025-05-25 01:13:17 - MSR 0xC0010061: 0000000000000020 (CurPState=0, MaxPState=2)  
2025-05-25 01:13:17 - Get\_MPERF\_APERF - time in ns = 309362  
2025-05-25 01:13:17 - Get\_MPERF\_APERF - FreqMPERF in KHz = 3802063, FreqAPERF in KHz = 4650965  
2025-05-25 01:13:18 - MSR 0xC0010293: 00000000000508BA  
2025-05-25 01:13:18 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 186  
2025-05-25 01:13:18 - MSR 0xC0010063: 0000000000000000

2025-05-25 01:13:18 - MSR 0xC0010062: 0000000000000000  
2025-05-25 01:13:18 - MSR 0xC0010061: 0000000000000020 (CurPState=0,  
MaxPState=2)  
2025-05-25 01:13:18 - Get\_MPERF\_APERF - time in ns = 309562  
2025-05-25 01:13:18 - Get\_MPERF\_APERF - FreqMPERF in KHz = 3801694, FreqAPERF in  
KHz = 4650855  
2025-05-25 01:13:19 - MSR 0xC0010293: 0000000000005C8BA  
2025-05-25 01:13:19 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 186  
2025-05-25 01:13:19 - MSR 0xC0010063: 0000000000000000  
2025-05-25 01:13:19 - MSR 0xC0010062: 0000000000000000  
2025-05-25 01:13:19 - MSR 0xC0010061: 0000000000000020 (CurPState=0,  
MaxPState=2)  
2025-05-25 01:13:19 - Get\_MPERF\_APERF - time in ns = 309382  
2025-05-25 01:13:19 - Get\_MPERF\_APERF - FreqMPERF in KHz = 3801694, FreqAPERF in  
KHz = 4650881  
2025-05-25 01:13:19 - GetAMDFamilyMSRInfo - APERF = 4650965, MPERF = 3802063,  
Mult = 46500  
2025-05-25 01:13:19 - GetAMDFamilyMSRInfo - BaseClock = 10002  
2025-05-25 01:13:19 - GetAMDFamilyMSRInfo - Turbo Core supported  
2025-05-25 01:13:19 - DisableAMDCPB - MSR[0xC0010015] = 0000000189000011  
2025-05-25 01:13:19 - DisableAMDCPB - New MSR[0xC0010015] = 000000018B000011  
2025-05-25 01:13:19 - AMD MSR disable CPD: MSR[00000000C0010062] =  
0x0000000000000000  
2025-05-25 01:13:19 - AMD Set PStateCtl: 0x0000000000000000  
2025-05-25 01:13:19 - Get\_MPERF\_APERF - CPUID[0x6][ECX] = 00000001  
2025-05-25 01:13:19 - Get\_MPERF\_APERF - high perf counter freq = 3800088000  
2025-05-25 01:13:20 - MSR 0xC0010293: 00000000000053C898  
2025-05-25 01:13:20 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 152  
2025-05-25 01:13:20 - MSR 0xC0010063: 0000000000000001  
2025-05-25 01:13:20 - MSR 0xC0010062: 0000000000000000  
2025-05-25 01:13:20 - MSR 0xC0010061: 0000000000000020 (CurPState=0,  
MaxPState=2)  
2025-05-25 01:13:20 - Get\_MPERF\_APERF - time in ns = 378711  
2025-05-25 01:13:20 - Get\_MPERF\_APERF - FreqMPERF in KHz = 3801796, FreqAPERF in  
KHz = 3800729  
2025-05-25 01:13:20 - MSR 0xC0010293: 00000000000053C898  
2025-05-25 01:13:20 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 152  
2025-05-25 01:13:20 - MSR 0xC0010063: 0000000000000001  
2025-05-25 01:13:20 - MSR 0xC0010062: 0000000000000000  
2025-05-25 01:13:20 - MSR 0xC0010061: 0000000000000020 (CurPState=0,  
MaxPState=2)  
2025-05-25 01:13:21 - Get\_MPERF\_APERF - time in ns = 378581  
2025-05-25 01:13:22 - Get\_MPERF\_APERF - FreqMPERF in KHz = 3801796, FreqAPERF in  
KHz = 3800713  
2025-05-25 01:13:22 - MSR 0xC0010293: 00000000000053C898  
2025-05-25 01:13:22 - GetAMDMult - CPUDid\_P = 8, CPUFid\_P = 152  
2025-05-25 01:13:22 - MSR 0xC0010063: 0000000000000001  
2025-05-25 01:13:22 - MSR 0xC0010062: 0000000000000000  
2025-05-25 01:13:22 - MSR 0xC0010061: 0000000000000020 (CurPState=0,  
MaxPState=2)  
2025-05-25 01:13:22 - Get\_MPERF\_APERF - time in ns = 378681  
2025-05-25 01:13:22 - Get\_MPERF\_APERF - FreqMPERF in KHz = 3801796, FreqAPERF in  
KHz = 3800758  
2025-05-25 01:13:22 - GetAMDFamilyMSRInfo - (CPB disabled) APERF = 3800758,

MPERF = 3801796, Mult = 38000  
2025-05-25 01:13:22 - GetAMDFamilyMSRInfo - (CPB disabled) BaseClock = 10001  
2025-05-25 01:13:22 - GetAMDFamilyMSRInfo - CPUSpeedTurboTheoreticalMax = 3800380  
2025-05-25 01:13:22 - GetAMDFamilyMSRInfo - (Before sanity check) Freq: 3800758KHz (Ratio: 38000, ExtClk: 10001KHz), Turbo: 4650965KHz (Ratio: 46500, ExtClk: 10001KHz) (Theoretical Max: 4650965KHz)  
2025-05-25 01:13:22 - GetAMDFamilyMSRInfo - Freq: 3800758, 38000, 10001, Turbo: 4650965, 46500, 10001 (4650965)  
2025-05-25 01:13:22 - Getting memory size  
2025-05-25 01:13:22 - 0x00000000000000 - 0x000000009EFFF (636KB) {Free Memory}  
2025-05-25 01:13:22 - 0x000000009F000 - 0x000000009FFFF (4KB) {Boot Services Data}  
2025-05-25 01:13:22 - 0x0000001000000 - 0x000000FFFFFFF (15MB) {Free Memory}  
2025-05-25 01:13:22 - 0x0000010000000 - 0x00000107FFFFF (512KB) {Boot Services Data}  
2025-05-25 01:13:22 - 0x0000010800000 - 0x0000009D1EFFF (140MB) {Free Memory}  
2025-05-25 01:13:22 - 0x0000009D1F000 - 0x0000009FFFFFFF (2MB) {Reserved Memory}  
2025-05-25 01:13:22 - 0x00000A0000000 - 0x00000A1FFFFFFF (2MB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000A2000000 - 0x00000A20DFFF (56KB) {ACPI Non-volatile}  
2025-05-25 01:13:22 - 0x00000A20E000 - 0x00000AFFFFFFF (13MB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000B0000000 - 0x00000B01FFFFF (128KB) {Reserved Memory}  
2025-05-25 01:13:22 - 0x00000B0200000 - 0x00000C15C4FFF (2917MB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000C15C5000 - 0x00000C1747FFF (1548KB) {Loader Code}  
2025-05-25 01:13:22 - 0x00000C1748000 - 0x00000C18B5FFF (1464KB) {Boot Services Code}  
2025-05-25 01:13:22 - 0x00000C18B6000 - 0x00000C18B6FFF (4KB) {Loader Data}  
2025-05-25 01:13:22 - 0x00000C18B7000 - 0x00000C22D4FFF (10MB) {Boot Services Code}  
2025-05-25 01:13:22 - 0x00000C22D5000 - 0x00000C347FFFFF (17MB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000C3480000 - 0x00000C3480FFF (4KB) {Reserved Memory}  
2025-05-25 01:13:22 - 0x00000C3481000 - 0x00000C44DEFFF (16MB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000C44DF000 - 0x00000C471EFFF (2MB) {Boot Services Data}  
2025-05-25 01:13:22 - 0x00000C471F000 - 0x00000C4D0AFFF (5MB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000C4D0B000 - 0x00000CA2D4FFF (85MB) {Boot Services Data}  
2025-05-25 01:13:22 - 0x00000CA2D5000 - 0x00000CA638FFF (3MB) {Reserved Memory}  
2025-05-25 01:13:22 - 0x00000CA639000 - 0x00000CA7FBFFF (1804KB) {ACPI Tables}  
2025-05-25 01:13:22 - 0x00000CA7FC000 - 0x00000CAF19FFF (7MB) {ACPI Non-volatile}  
2025-05-25 01:13:22 - 0x00000CAF1A000 - 0x00000CBB5DFFF (12MB) {Runtime Services Data}  
2025-05-25 01:13:22 - 0x00000CBB5E000 - 0x00000CBBFEFFF (644KB) {Runtime Services Code}  
2025-05-25 01:13:22 - 0x00000CBBFF000 - 0x00000CBFFFFFFF (4MB) {Boot Services Data}  
2025-05-25 01:13:22 - 0x00000CC000000 - 0x00000CC01FFFF (128KB) {Free Memory}  
2025-05-25 01:13:22 - 0x00000CC020000 - 0x00000CC11FFFF (1024KB) {Boot Services Data}  
2025-05-25 01:13:22 - 0x00000CC120000 - 0x00000CC158FFF (228KB) {Boot Services Code}  
2025-05-25 01:13:22 - 0x00000CC159000 - 0x00000CC1A1FFF (292KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x00000CC1A2000 - 0x00000CC1C3FFF (136KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x00000CC1C4000 - 0x00000CC1DDFFF (104KB) {Boot Services Data}

2025-05-25 01:13:23 - 0x0000CC1DE000 - 0x0000CC1E5FFF (32KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CC1E6000 - 0x0000CC1F5FFF (64KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CC1F6000 - 0x0000CC1FDFFF (32KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CC1FE000 - 0x0000CCF8FFFF (13MB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CCF90000 - 0x0000CCF92FFF (12KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CCF93000 - 0x0000CCFA5FFF (76KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CCFA6000 - 0x0000CCFA7FFF (8KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CCFA8000 - 0x0000CCFB8FFF (68KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CCFB9000 - 0x0000CCFBFFFF (12KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CCFBC000 - 0x0000CCFCEFFF (76KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CCFCF000 - 0x0000CCFD2FFF (16KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CCFD3000 - 0x0000CCFE6FFF (80KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CCFE7000 - 0x0000CCFF1FFF (44KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x0000CCFF2000 - 0x0000CCFF9FFF (32KB) {Boot Services Data}  
2025-05-25 01:13:23 - 0x0000CCFFA000 - 0x0000CCFFFFFF (24KB) {Boot Services Code}  
2025-05-25 01:13:23 - 0x000100000000 - 0x00082F37FFFF (29427MB) {Free Memory}  
2025-05-25 01:13:23 - 0x00000000A0000 - 0x00000000FFFFFF (384KB) {Reserved Memory}  
2025-05-25 01:13:23 - 0x0000CD000000 - 0x0000CFFFFFFF (48MB) {Reserved Memory}  
2025-05-25 01:13:23 - 0x0000F0000000 - 0x0000F7FFFFFF (128MB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FD200000 - 0x0000FD2FFFFFFF (1024KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FD600000 - 0x0000FD7FFFFFFF (2MB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FEA00000 - 0x0000FEA0FFFF (64KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FEB80000 - 0x0000FEC01FFF (520KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FEC10000 - 0x0000FEC10FFF (4KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FEC30000 - 0x0000FEC30FFF (4KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FED00000 - 0x0000FED00FFF (4KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FED40000 - 0x0000FED44FFF (20KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FED80000 - 0x0000FED8FFFF (64KB) {OS Memory-mapped IO}  
2025-05-25 01:13:23 - 0x0000FEDC2000 - 0x0000FEDCFFFF (56KB) {OS Memory-mapped IO}

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2025-05-25 01:13:23 - 0x0000FEDD4000 - 0x0000FEDD5FFF (8KB) {OS Memory-mapped
IO}
2025-05-25 01:13:23 - 0x0000FF000000 - 0x0000FFFFFFFF (16MB) {OS Memory-mapped
IO}
2025-05-25 01:13:23 - 0x00082F380000 - 0x00082FFFFFFFF (12MB) {Reserved Memory}
2025-05-25 01:13:23 -
2025-05-25 01:13:23 - Available Memory: 0x7F2D6A000 (31GB)
2025-05-25 01:13:23 - Reserved Memory: 0x16650000 (358MB)
2025-05-25 01:13:23 - mem_size - Number of entries: 65
2025-05-25 01:13:23 - mem_size - Max address: 0x830000000
2025-05-25 01:13:23 - mem_size - Total memory size (34281676800 bytes)
2025-05-25 01:13:23 - Parsing command line: ""
2025-05-25 01:13:23 - Successfully located the PI MpService protocol.
2025-05-25 01:13:23 - BSP is Proc 0
2025-05-25 01:13:23 - This platform has 16 logical processors of which 16 are
enabled.
2025-05-25 01:13:23 - ProcID   Enabled   Type     Status   Pkg     Core   Thread
Hyperthread?
2025-05-25 01:13:23 - -----
-----
2025-05-25 01:13:23 - Get Proc Info Proc #0
2025-05-25 01:13:23 - 00000000      Y      BSP  00000007    0     0     0
N
2025-05-25 01:13:23 - Get Proc Info Proc #1
2025-05-25 01:13:23 - 00000001      Y      AP   00000006    0     0     1
Y
2025-05-25 01:13:23 - Get Proc Info Proc #2
2025-05-25 01:13:23 - 00000002      Y      AP   00000006    0     1     0
N
2025-05-25 01:13:23 - Get Proc Info Proc #3
2025-05-25 01:13:23 - 00000003      Y      AP   00000006    0     1     1
Y
2025-05-25 01:13:23 - Get Proc Info Proc #4
2025-05-25 01:13:25 - 00000004      Y      AP   00000006    0     2     0
N
2025-05-25 01:13:25 - Get Proc Info Proc #5
2025-05-25 01:13:25 - 00000005      Y      AP   00000006    0     2     1
Y
2025-05-25 01:13:25 - Get Proc Info Proc #6
2025-05-25 01:13:25 - 00000006      Y      AP   00000006    0     3     0
N
2025-05-25 01:13:25 - Get Proc Info Proc #7
2025-05-25 01:13:25 - 00000007      Y      AP   00000006    0     3     1
Y
2025-05-25 01:13:25 - Get Proc Info Proc #8
2025-05-25 01:13:25 - 00000008      Y      AP   00000006    0     4     0
N
2025-05-25 01:13:25 - Get Proc Info Proc #9
2025-05-25 01:13:25 - 00000009      Y      AP   00000006    0     4     1
Y
2025-05-25 01:13:25 - Get Proc Info Proc #10
2025-05-25 01:13:25 - 0000000A      Y      AP   00000006    0     5     0
N
2025-05-25 01:13:25 - Get Proc Info Proc #11

```

```

2025-05-25 01:13:25 - 0000000B      Y      AP  00000006      0      5      1
Y
2025-05-25 01:13:25 - Get Proc Info Proc #12
2025-05-25 01:13:25 - 0000000C      Y      AP  00000006      0      6      0
N
2025-05-25 01:13:25 - Get Proc Info Proc #13
2025-05-25 01:13:25 - 0000000D      Y      AP  00000006      0      6      1
Y
2025-05-25 01:13:25 - Get Proc Info Proc #14
2025-05-25 01:13:25 - 0000000E      Y      AP  00000006      0      7      0
N
2025-05-25 01:13:25 - Get Proc Info Proc #15
2025-05-25 01:13:25 - 0000000F      Y      AP  00000006      0      7      1
Y
2025-05-25 01:13:25 - Package      ProcNum
2025-05-25 01:13:25 -      0      0
2025-05-25 01:13:25 - This platform has 16 logical processors of which 16 are
enabled.
2025-05-25 01:13:25 - Number of hyperthreads detected: 8 (Total threads: 16)
2025-05-25 01:13:25 - Disabling all hyperthreads
2025-05-25 01:13:25 - Disabling hyperthread processor 1
2025-05-25 01:13:25 - Disabling hyperthread processor 3
2025-05-25 01:13:25 - Disabling hyperthread processor 5
2025-05-25 01:13:25 - Disabling hyperthread processor 7
2025-05-25 01:13:25 - Disabling hyperthread processor 9
2025-05-25 01:13:25 - Disabling hyperthread processor 11
2025-05-25 01:13:25 - Disabling hyperthread processor 13
2025-05-25 01:13:25 - Disabling hyperthread processor 15
2025-05-25 01:13:25 - Testing MP support
2025-05-25 01:13:25 - MPSupportTestMPServices - AP dispatch test
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#2
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#4
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#6
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#8
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#10
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#12
2025-05-25 01:13:25 - MPSupportTestMPServices - Starting AP#14
2025-05-25 01:13:25 - MPSupportTestMPServices - Waiting for AP's to complete
execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #8 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #10 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #12 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #2 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #4 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #6 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - CPU #14 finished execution
2025-05-25 01:13:26 - MPSupportTestMPServices - AP dispatch test complete
2025-05-25 01:13:26 - MP test passed. Setting default CPU mode to PARALLEL
2025-05-25 01:13:27 - Getting memory controller info
2025-05-25 01:13:27 - find_mem_controller - found AMD Ryzen Zen 2 (70h-7fh)
(1022:1442) at 0-24-2
2025-05-25 01:13:27 - AMD Ryzen Zen 2 chipset init
2025-05-25 01:13:27 - CfgAddressCntl = 00000000 (SecBusNum=00)
2025-05-25 01:13:27 - CPUID[0x00000001]:EBX[31:0] = 00100800 (LocalApicId=0,

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NBC=0, LogicalProcessorCount=16)  
2025-05-25 01:13:27 - CPUID[0x00000001]:EDX[31:0] = 178BFBF (MCA=1)  
2025-05-25 01:13:27 - CPUID[0x80000007]:EBX[31:0] = 0000003B  
(PfehSupportPresent=1, ScalableMCA=1)  
2025-05-25 01:13:27 - PFEH\_CFG=0000000000000000 (PfehEnable=0)  
2025-05-25 01:13:27 - PFEH\_CLOAK\_CFG=0000000000000000  
2025-05-25 01:13:27 - MCG\_CAP=0000000000000011C (Count=28)  
2025-05-25 01:13:27 - [MC0] CPUID[0x00000001]:EBX[31:0] = 00100800  
(LocalApicId=0, NBC=0, LogicalProcessorCount=16)  
2025-05-25 01:13:27 - SdpCtrl[0]=B040808B (SdpInit=1)  
2025-05-25 01:13:27 - [MC0] DramConfiguration=00001936  
2025-05-25 01:13:27 - [MC0] DebugMisc=000000F8  
2025-05-25 01:13:27 - [MC0] DramTiming1=14142610  
2025-05-25 01:13:27 - [MC0] DramTiming2=00140055  
2025-05-25 01:13:27 - UmcCap[0]=0x00010030  
2025-05-25 01:13:27 - UmcCapHi[0]=0x00000000  
2025-05-25 01:13:27 - EccChipKillCap = 0 and EccEnabled = 0 for ch 0  
2025-05-25 01:13:27 - Switching BSP to 8  
2025-05-25 01:13:27 - [MC1] CPUID[0x00000001]:EBX[31:0] = 08100800  
(LocalApicId=8, NBC=8, LogicalProcessorCount=16)  
2025-05-25 01:13:27 - SdpCtrl[1]=B040808B (SdpInit=1)  
2025-05-25 01:13:27 - [MC1] DramConfiguration=00001936  
2025-05-25 01:13:27 - [MC1] DebugMisc=000000F8  
2025-05-25 01:13:27 - [MC1] DramTiming1=14142610  
2025-05-25 01:13:27 - [MC1] DramTiming2=00140055  
2025-05-25 01:13:27 - UmcCap[1]=0x00010030  
2025-05-25 01:13:27 - UmcCapHi[1]=0x00000000  
2025-05-25 01:13:27 - EccChipKillCap = 0 and EccEnabled = 0 for ch 1  
2025-05-25 01:13:27 - Switching BSP back to 0  
2025-05-25 01:13:27 - chmode=2  
2025-05-25 01:13:27 - MmioCfgBaseAddr=00000000F000001D (Enable=1)  
2025-05-25 01:13:27 - MCHBAR=F0000000  
2025-05-25 01:13:27 - [MC0] FabricBlockInstanceInformation3=00000000  
2025-05-25 01:13:27 - [MC0] DramHoleControl=D0000001  
2025-05-25 01:13:27 - [MC0] DramOffset=00000000  
2025-05-25 01:13:27 - [MC0] DfGlobalCtrl=00666600  
2025-05-25 01:13:27 - [MC0] SystemFabricIdMask0=00000007  
2025-05-25 01:13:27 - [MC0] SystemFabricIdMask1=00000000  
2025-05-25 01:13:27 - [MC0,n0] DramBaseAddress=00000033  
2025-05-25 01:13:27 - [MC0,n0] DramLimitAddress=00082000  
2025-05-25 01:13:27 - [UMC0,n0] AddrHashCS: 03FFFC01  
2025-05-25 01:13:27 - [MC0,n1] DramBaseAddress=00000000  
2025-05-25 01:13:27 - [MC0,n1] DramLimitAddress=00000000  
2025-05-25 01:13:27 - [UMC0,n1] AddrHashCS: 03FFFC00  
2025-05-25 01:13:27 - [UMC0, CS0] BaseAddr: 00000000  
2025-05-25 01:13:29 - [UMC0, CS0] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC0, CS1] BaseAddr: 00000000  
2025-05-25 01:13:29 - [UMC0, CS1] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC0, CS2] BaseAddr: 00000001  
2025-05-25 01:13:29 - [UMC0, CS2] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC0, CS3] BaseAddr: 00000201  
2025-05-25 01:13:29 - [UMC0, CS3] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC0, DIMM0] AddrMask: 00000000  
2025-05-25 01:13:29 - [UMC0, DIMM0] AddrMaskSec: 00000000

2025-05-25 01:13:29 - [UMC0, DIMM0] addrCfg: 00150508  
2025-05-25 01:13:29 - [UMC0, DIMM0] DimmCfg: 00000000  
2025-05-25 01:13:29 - [UMC0, DIMM1] AddrMask: 03FFDFE  
2025-05-25 01:13:29 - [UMC0, DIMM1] AddrMaskSec: 00000000  
2025-05-25 01:13:29 - [UMC0, DIMM1] addrCfg: 00150608  
2025-05-25 01:13:29 - [UMC0, DIMM1] DimmCfg: 00000001  
2025-05-25 01:13:29 - [MC1] FabricBlockInstanceInformation3=00000101  
2025-05-25 01:13:29 - [MC1] DramHoleControl=D0000001  
2025-05-25 01:13:29 - [MC1] DramOffset=00000000  
2025-05-25 01:13:29 - [MC1] DfGlobalCtrl=00666600  
2025-05-25 01:13:29 - [MC1] SystemFabricIdMask0=00000007  
2025-05-25 01:13:29 - [MC1] SystemFabricIdMask1=00000000  
2025-05-25 01:13:29 - [MC1,n0] DramBaseAddress=00000033  
2025-05-25 01:13:29 - [MC1,n0] DramLimitAddress=00082000  
2025-05-25 01:13:29 - [UMC1,n0] AddrHashCS: 03FFFC01  
2025-05-25 01:13:29 - [MC1,n1] DramBaseAddress=00000000  
2025-05-25 01:13:29 - [MC1,n1] DramLimitAddress=00000000  
2025-05-25 01:13:29 - [UMC1,n1] AddrHashCS: 03FFFC00  
2025-05-25 01:13:29 - [UMC1, CS0] BaseAddr: 00000000  
2025-05-25 01:13:29 - [UMC1, CS0] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC1, CS1] BaseAddr: 00000000  
2025-05-25 01:13:29 - [UMC1, CS1] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC1, CS2] BaseAddr: 00000001  
2025-05-25 01:13:29 - [UMC1, CS2] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC1, CS3] BaseAddr: 00000201  
2025-05-25 01:13:29 - [UMC1, CS3] BaseAddrSec: 00000000  
2025-05-25 01:13:29 - [UMC1, DIMM0] AddrMask: 00000000  
2025-05-25 01:13:29 - [UMC1, DIMM0] AddrMaskSec: 00000000  
2025-05-25 01:13:29 - [UMC1, DIMM0] addrCfg: 00150508  
2025-05-25 01:13:29 - [UMC1, DIMM0] DimmCfg: 00000000  
2025-05-25 01:13:29 - [UMC1, DIMM1] AddrMask: 03FFDFE  
2025-05-25 01:13:29 - [UMC1, DIMM1] AddrMaskSec: 00000000  
2025-05-25 01:13:29 - [UMC1, DIMM1] addrCfg: 00150608  
2025-05-25 01:13:29 - [UMC1, DIMM1] DimmCfg: 00000001  
2025-05-25 01:13:29 - find\_mem\_controller - AMD Ryzen Zen 2 (70h-7fh)  
(1022:1442) at 0-24-2  
2025-05-25 01:13:29 - find\_mem\_controller - AMD Ryzen Zen 2 (70h-7fh) (Ch mode:  
2, ECC mode: {detect: no, correct: no, scrub: no, chipkill: no, IBEC: no})  
2025-05-25 01:13:29 - ECC polling disabled  
2025-05-25 01:13:29 - Applying configurations  
2025-05-25 01:13:29 - [CONFIG] This platform has 16 logical processors of which  
8 are enabled.  
2025-05-25 01:13:29 - [CONFIG] ECCPOLL cannot be enabled as ECC is not available  
2025-05-25 01:13:29 - Applying configurations complete  
2025-05-25 01:13:29 - Getting memory SPD info  
2025-05-25 01:13:29 - Attempting to enable any disabled SMBus controllers...  
2025-05-25 01:13:29 - Attempting to enable SMBUS:  
2025-05-25 01:13:29 - Searching PCI for SMBus Controller  
2025-05-25 01:13:29 - PM DECODEEN[0]=00000077  
2025-05-25 01:13:29 - PM DECODEEN[1]=0000000B  
2025-05-25 01:13:29 - PM DECODEEN[2]=00000007 (smbus0sel=0)  
2025-05-25 01:13:29 - MMIO PM DECODEEN: E3070B77 (smbus0sel=0)  
2025-05-25 01:13:29 - {00:14:00} SMBus Configuration Registers:  
2025-05-25 01:13:29 - 00: 790B1022 02200403 0C050061 00800000

2025-05-25 01:13:30 - 10: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 20: 00000000 00000000 00000000 87C01043  
2025-05-25 01:13:30 - 30: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 40: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 50: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 60: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 70: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 80: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - 90: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - A0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - B0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - C0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - D0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - E0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:30 - F0: 0000821E 00000000 00000000 00000000  
2025-05-25 01:13:30 - Found SMBus device: VID:1022 DID:790B Bus:00 Dev:14  
Fun:00 IO Add:0B00 IO (2) Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:61  
[AMD Hudson-3 SMBus]  
2025-05-25 01:13:30 - Finished searching PCI for SMBus Controller  
2025-05-25 01:13:30 - Found 1 SMBus controllers  
2025-05-25 01:13:30 - [AMD Hudson-3 SMBus Bus:00 Dev:14 Fun:00 Add:0B00] Looking  
for SPD  
2025-05-25 01:13:30 - Device detected on SMBUS at address 52 (PIIX4)  
2025-05-25 01:13:30 - Expanding SPD info array (0 => 16)  
2025-05-25 01:13:30 - MemoryInfo(0xC4CEA018, 121408 bytes)  
2025-05-25 01:13:30 - Raw SPD bytes for DIMM#0 (Channel -1, Slot -1):  
2025-05-25 01:13:30 - 23 10 0C 02 85 21 00 08 00 00 00 03 09 03 80 00  
2025-05-25 01:13:30 - 00 00 05 0C FF FF 03 00 6E 6E 6E 11 08 77 E8 0A  
2025-05-25 01:13:30 - 18 08 F8 04 00 A8 1E 2D 2B 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 16 36 16 36  
2025-05-25 01:13:30 - 16 36 16 36 00 00 2B 0C 2B 0C 2B 0C 2B 0C 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 ED 00 00 F6 F6 F6 F6 00 00 F8 1F  
2025-05-25 01:13:30 - 11 11 01 01 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 DE 27  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:30 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 02 9E 00 00 00 00 00 00 00 43 4D 4E 33 32 47 58  
2025-05-25 01:13:32 - 34 4D 32 5A 33 36 30 30 43 31 36 00 00 00 80 2C  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 0C 4A 01 20 00 00 00 00 00 A3 00 00 05 FF FF 03  
2025-05-25 01:13:32 - 00 47 59 59 10 A8 02 F0 0A 20 08 00 05 00 B0 20  
2025-05-25 01:13:32 - 2D 00 00 00 00 00 00 00 00 B5 8D BA DD DD FB BA  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - Module Manufacturer's Specific Data raw bytes:  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - DIMM#0 (Channel -1, Slot -1) serial number: 00000000  
2025-05-25 01:13:32 - Device detected on SMBUS at address 53 (PIIX4)  
2025-05-25 01:13:32 - Raw SPD bytes for DIMM#1 (Channel -1, Slot -1):  
2025-05-25 01:13:32 - 23 10 0C 02 85 21 00 08 00 00 00 03 09 03 80 00  
2025-05-25 01:13:32 - 00 00 05 0C FF FF 03 00 6E 6E 6E 11 08 77 E8 0A  
2025-05-25 01:13:32 - 18 08 F8 04 00 A8 1E 2D 2B 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 16 36 16 36  
2025-05-25 01:13:32 - 16 36 16 36 00 00 2B 0C 2B 0C 2B 0C 2B 0C 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 ED 00 00 F6 F6 F6 F6 00 00 F8 1F  
2025-05-25 01:13:32 - 11 11 01 01 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 02 9E 00 00 00 00 00 00 00 43 4D 4E 33 32 47 58  
2025-05-25 01:13:32 - 34 4D 32 5A 33 36 30 30 43 31 36 00 00 00 80 2C  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:32 - 0C 4A 01 20 00 00 00 00 00 A3 00 00 05 FF FF 03  
2025-05-25 01:13:32 - 00 47 59 59 10 A8 02 F0 0A 20 08 00 05 00 B0 20  
2025-05-25 01:13:32 - 2D 00 00 00 00 00 00 00 00 B5 8D BA DD DD FB BA  
2025-05-25 01:13:32 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - Module Manufacturer's Specific Data raw bytes:  
2025-05-25 01:13:33 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
2025-05-25 01:13:33 - DIMM#1 (Channel -1, Slot -1) serial number: 00000000  
2025-05-25 01:13:33 - Enumerating PCI bus...  
2025-05-25 01:13:33 - Scanning PCI for devices:  
2025-05-25 01:13:33 - VID:1022 DID:1480 Bus:00 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1481 Bus:00 Dev:00 Fun:02 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:01 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]

2025-05-25 01:13:33 - VID:1022 DID:1483 Bus:00 Dev:01 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:81 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1483 Bus:00 Dev:01 Fun:02 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:81 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:02 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:03 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1483 Bus:00 Dev:03 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:81 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:04 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:05 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:07 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1484 Bus:00 Dev:07 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:81 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1482 Bus:00 Dev:08 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1484 Bus:00 Dev:08 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:81 [AMD Unknown]  
2025-05-25 01:13:33 - PM DECODEEN[0]=00000077  
2025-05-25 01:13:33 - PM DECODEEN[1]=0000000B  
2025-05-25 01:13:33 - PM DECODEEN[2]=00000007 (smbus0sel=0)  
2025-05-25 01:13:33 - MMIO PM DECODEEN: E3070B77 (smbus0sel=0)  
2025-05-25 01:13:33 - {00:14:00} SMBus Configuration Registers:  
2025-05-25 01:13:33 - 00: 790B1022 02200403 0C050061 00800000  
2025-05-25 01:13:33 - 10: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 20: 00000000 00000000 00000000 87C01043  
2025-05-25 01:13:33 - 30: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 40: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 50: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 60: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 70: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 80: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - 90: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - A0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - B0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - C0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - D0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - E0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:33 - F0: 0000821E 00000000 00000000 00000000  
2025-05-25 01:13:33 - VID:1022 DID:790B Bus:00 Dev:14 Fun:00 IO Add:0B00 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:61 HeaderType:81 [AMD Hudson-3  
SMBus]  
2025-05-25 01:13:33 - VID:1022 DID:790E Bus:00 Dev:14 Fun:03 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:51 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1440 Bus:00 Dev:18 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1441 Bus:00 Dev:18 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1442 Bus:00 Dev:18 Fun:02 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]

2025-05-25 01:13:33 - VID:1022 DID:1443 Bus:00 Dev:18 Fun:03 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1444 Bus:00 Dev:18 Fun:04 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:33 - VID:1022 DID:1445 Bus:00 Dev:18 Fun:05 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:1446 Bus:00 Dev:18 Fun:06 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:1447 Bus:00 Dev:18 Fun:07 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:15B7 DID:5030 Bus:01 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:01 HeaderType:00 [Unknown  
Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43EE Bus:02 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43EB Bus:02 Dev:00 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43E9 Bus:02 Dev:00 Fun:02 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:81 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43EA Bus:03 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:01 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43EA Bus:03 Dev:04 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:01 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43EA Bus:03 Dev:08 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:01 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:43EA Bus:03 Dev:09 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:01 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1987 DID:5018 Bus:05 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:01 HeaderType:00 [Unknown  
Unknown]  
2025-05-25 01:13:35 - VID:8086 DID:15F3 Bus:07 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:02 HeaderType:00 [Intel Unknown]  
2025-05-25 01:13:35 - VID:1002 DID:1478 Bus:08 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:10 HeaderType:01 [ATI Unknown]  
2025-05-25 01:13:35 - VID:1002 DID:1479 Bus:09 Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:10 HeaderType:01 [ATI Unknown]  
2025-05-25 01:13:35 - VID:1002 DID:744C Bus:0A Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:C8 HeaderType:80 [ATI Unknown]  
2025-05-25 01:13:35 - VID:1002 DID:AB30 Bus:0A Dev:00 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [ATI Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:148A Bus:0B Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:00 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:1485 Bus:0C Dev:00 Fun:00 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:1486 Bus:0C Dev:00 Fun:01 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:149C Bus:0C Dev:00 Fun:03 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - VID:1022 DID:1487 Bus:0C Dev:00 Fun:04 IO Add:0000 IO (2)  
Add:0000 MMIO Add:0 PCI Add:{00:00:00:0000} Rev:00 HeaderType:80 [AMD Unknown]  
2025-05-25 01:13:35 - Finished searching PCI for SMBus Controller  
2025-05-25 01:13:35 - Getting memory TSOD info  
2025-05-25 01:13:35 - Attempting to enable any disabled TSOD controllers...  
2025-05-25 01:13:35 - Attempting to enable SMBUS:

2025-05-25 01:13:35 - Searching PCI for TSOD Controller  
2025-05-25 01:13:35 - PM DECODEEN[0]=00000077  
2025-05-25 01:13:35 - PM DECODEEN[1]=0000000B  
2025-05-25 01:13:35 - PM DECODEEN[2]=00000007 (smbus0sel=0)  
2025-05-25 01:13:35 - MMIO PM DECODEEN: E3070B77 (smbus0sel=0)  
2025-05-25 01:13:35 - {00:14:00} SMBus Configuration Registers:  
2025-05-25 01:13:35 - 00: 790B1022 02200403 0C050061 00800000  
2025-05-25 01:13:35 - 10: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 20: 00000000 00000000 00000000 87C01043  
2025-05-25 01:13:35 - 30: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 40: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 50: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 60: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 70: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 80: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - 90: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - A0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - B0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - C0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - D0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - E0: 00000000 00000000 00000000 00000000  
2025-05-25 01:13:35 - F0: 0000821E 00000000 00000000 00000000  
2025-05-25 01:13:35 - Found TSOD device: VID:1022 DID:790B Bus:00 Dev:14  
Fun:00 IO Add:0B00 IO (2) Add:0000 MMIO Add:0 Rev:61 [AMD Hudson-3 SMBus]  
2025-05-25 01:13:35 - Finished searching PCI for SMBus Controller  
2025-05-25 01:13:35 - Expanding TSOD info array (0 => 16)  
2025-05-25 01:13:35 - Getting memory SMBIOS info  
2025-05-25 01:13:35 - Getting SMBIOS Memory Device info...  
2025-05-25 01:13:35 - Found 4 Memory Devices  
2025-05-25 01:13:36 - Map 0 to SMBIOS index 2 (MB="ROG STRIX B550-F GAMING")  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct 2  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct Get strings  
(FormattedLen=92, iTotalLen=8C)  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: String area len=48  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v2.3+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v3.2+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct end  
2025-05-25 01:13:36 - [Slot 0] TotalWidth: 65535, DataWidth: 65535, Size: 0,  
FormFactor: 2, DeviceSet: 0, MemoryType: 2, Speed: 0, Attributes: 0,  
ExtendedSize: 0, ConfiguredMemoryClockSpeed: 0, MinimumVoltage: 0,  
MaximumVoltage: 0, ConfiguredVoltage: 0  
2025-05-25 01:13:36 - [Slot 0] DeviceLocator: DIMM\_B1, BankLocator: BANK 2,  
Manufacturer: Unknown, S/N: Unknown, AssetTag: , PartNumber: Unknown  
2025-05-25 01:13:36 - Map 1 to SMBIOS index 3 (MB="ROG STRIX B550-F GAMING")  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct 3  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct Get strings  
(FormattedLen=92, iTotalLen=98)  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: String area len=60  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v2.3+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v3.2+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct end  
2025-05-25 01:13:36 - [Slot 1] TotalWidth: 64, DataWidth: 64, Size: 16384,  
FormFactor: 9, DeviceSet: 0, MemoryType: 26, Speed: 3600, Attributes: 2,  
ExtendedSize: 0, ConfiguredMemoryClockSpeed: 3600, MinimumVoltage: 1200,

MaximumVoltage: 1200, ConfiguredVoltage: 1200  
2025-05-25 01:13:36 - [Slot 1] DeviceLocator: DIMM\_B2, BankLocator: BANK 3, Manufacturer: Corsair, S/N: 00000000, AssetTag: , PartNumber: CMN32GX4M2Z3600C16  
2025-05-25 01:13:36 - Map 2 to SMBIOS index 0 (MB="ROG STRIX B550-F GAMING")  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct 0  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct Get strings (FormattedLen=92, iTotalLen=8C)  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: String area len=48  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v2.3+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v3.2+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct end  
2025-05-25 01:13:36 - [Slot 2] TotalWidth: 65535, DataWidth: 65535, Size: 0, FormFactor: 2, DeviceSet: 0, MemoryType: 2, Speed: 0, Attributes: 0, ExtendedSize: 0, ConfiguredMemoryClockSpeed: 0, MinimumVoltage: 0, MaximumVoltage: 0, ConfiguredVoltage: 0  
2025-05-25 01:13:36 - [Slot 2] DeviceLocator: DIMM\_A1, BankLocator: BANK 0, Manufacturer: Unknown, S/N: Unknown, AssetTag: , PartNumber: Unknown  
2025-05-25 01:13:36 - Map 3 to SMBIOS index 1 (MB="ROG STRIX B550-F GAMING")  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct 1  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct Get strings (FormattedLen=92, iTotalLen=98)  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: String area len=60  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v2.3+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct: parsing v3.2+ strings  
2025-05-25 01:13:36 - DEBUG: Get SMB mem device Struct end  
2025-05-25 01:13:36 - [Slot 3] TotalWidth: 64, DataWidth: 64, Size: 16384, FormFactor: 9, DeviceSet: 0, MemoryType: 26, Speed: 3600, Attributes: 2, ExtendedSize: 0, ConfiguredMemoryClockSpeed: 3600, MinimumVoltage: 1200, MaximumVoltage: 1200, ConfiguredVoltage: 1200  
2025-05-25 01:13:36 - [Slot 3] DeviceLocator: DIMM\_A2, BankLocator: BANK 1, Manufacturer: Corsair, S/N: 00000000, AssetTag: , PartNumber: CMN32GX4M2Z3600C16  
2025-05-25 01:13:36 - Number of non-empty SMBIOS memory devices found: 2  
2025-05-25 01:13:36 - [SPD 0] Comparing SMBIOS S/N (00000000) with SPD S/N (00000000)  
2025-05-25 01:13:36 - [SPD 0] SMBIOS S/N = 00000000  
2025-05-25 01:13:36 - [SPD 0] Found match with SMBIOS 1  
2025-05-25 01:13:36 - [SPD 1] Comparing SMBIOS S/N (00000000) with SPD S/N (00000000)  
2025-05-25 01:13:36 - [SPD 1] SMBIOS S/N = 00000000  
2025-05-25 01:13:36 - [SPD 1] Found match with SMBIOS 3  
2025-05-25 01:13:36 - Console size = 80 x 25  
2025-05-25 01:13:36 - Checking for graphics mode support  
2025-05-25 01:13:36 - Graphics mode available  
2025-05-25 01:13:36 - Enabling graphics mode  
2025-05-25 01:13:38 - Get screen size  
2025-05-25 01:13:38 - Current screen size: 1024 x 768  
2025-05-25 01:13:38 - Screen size = 1024 x 768  
2025-05-25 01:13:38 - Char width=8 height=19  
2025-05-25 01:13:38 - Loading images  
2025-05-25 01:13:38 - Show splash screen  
2025-05-25 01:13:38 - Splash screen start time: 183379888330 (clk=3800088, ConIn=C1AF5550, WaitForKey=C8996018)  
2025-05-25 01:13:38 - Splash screen mouse event detected: 10 (x=503, y=384)  
2025-05-25 01:13:39 - Exit splash screen

2025-05-25 01:13:39 - Enabling graphics mode  
2025-05-25 01:13:39 - Get screen size  
2025-05-25 01:13:39 - Current screen size: 1024 x 768  
2025-05-25 01:13:39 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:13:39 - poll\_timings\_ryzen - [MC0] DebugMisc=00000F8  
2025-05-25 01:13:39 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:13:39 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:13:40 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:13:40 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:13:40 - poll\_timings\_ryzen - [MC1] DebugMisc=00000F8  
2025-05-25 01:13:40 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:13:40 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:13:40 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:13:40 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:14:46 - Initializing spin lock (Align=64)  
2025-05-25 01:14:46 - \*\*\* TEST SESSION - 2025-05-25 01:14:46 \*\*\*  
2025-05-25 01:14:46 - CPU selection mode = 1  
2025-05-25 01:14:46 - MTRR Settings:  
2025-05-25 01:14:46 - =====  
2025-05-25 01:14:46 - MTRR Default Type: 0000000000000C00  
2025-05-25 01:14:46 - Fixed MTRR[00] : 0606060606060606  
2025-05-25 01:14:46 - Fixed MTRR[01] : 0606060606060606  
2025-05-25 01:14:46 - Fixed MTRR[02] : 0404040404040404  
2025-05-25 01:14:46 - Fixed MTRR[03] : 0000000000000000  
2025-05-25 01:14:46 - Fixed MTRR[04] : 0000000000000000  
2025-05-25 01:14:46 - Fixed MTRR[05] : 0000000000000000  
2025-05-25 01:14:46 - Fixed MTRR[06] : 0000000000000000  
2025-05-25 01:14:46 - Fixed MTRR[07] : 0505050505050505  
2025-05-25 01:14:46 - Fixed MTRR[08] : 0505050505050505  
2025-05-25 01:14:46 - Fixed MTRR[09] : 0505050505050505  
2025-05-25 01:14:46 - Fixed MTRR[10] : 0505050505050505  
2025-05-25 01:14:46 - Variable MTRR[00]: Base=0000000000000006  
Mask=0000FFFF80000800  
2025-05-25 01:14:46 - Variable MTRR[01]: Base=0000000080000006  
Mask=0000FFFFC0000800  
2025-05-25 01:14:46 - Variable MTRR[02]: Base=00000000C0000006  
Mask=0000FFFFF0000800  
2025-05-25 01:14:46 - Variable MTRR[03]: Base=00000000CAC70000  
Mask=0000FFFFFFFFF0800  
2025-05-25 01:14:46 -  
2025-05-25 01:14:46 - Available Variable MTRR : 6  
2025-05-25 01:14:46 -  
2025-05-25 01:14:46 - Memory Ranges:  
2025-05-25 01:14:46 - =====  
2025-05-25 01:14:46 - WB:0000000000000000-000000000009FFFF  
2025-05-25 01:14:46 - WT:00000000000A0000-00000000000BFFFF  
2025-05-25 01:14:46 - UC:00000000000C0000-00000000000DFFFF  
2025-05-25 01:14:46 - WP:00000000000E0000-00000000000FFFFF  
2025-05-25 01:14:46 - WB:0000000000100000-0000000000CAC6FFFF  
2025-05-25 01:14:46 - UC:0000000000CAC70000-0000000000CAC7FFFF  
2025-05-25 01:14:46 - WB:0000000000CAC80000-0000000000CFFFFFFF  
2025-05-25 01:14:46 - UC:0000000000D0000000-0000FFFFFFFFFFFFFF  
2025-05-25 01:14:46 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:14:46 - poll\_timings\_ryzen - [MC0] DebugMisc=00000F8

2025-05-25 01:14:46 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:14:46 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:14:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:14:47 - ReadMemoryRanges - Available Pages = 8334536  
2025-05-25 01:14:47 - Locking all memory ranges first...  
2025-05-25 01:14:47 - Skipping memory range 0x0 - 0x9F000 (636KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0x100000 - 0x100000 (15360KB). Range too small.  
2025-05-25 01:14:47 - Memory range locked: 0x1080000 - 0x9D1F000 (33194148KB of available memory left)  
2025-05-25 01:14:47 - Skipping memory range 0xA000000 - 0xA200000 (2048KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0xA20E000 - 0xB000000 (14280KB). Range too small.  
2025-05-25 01:14:47 - Memory range locked: 0xB020000 - 0xC15C5000 (30206480KB of available memory left)  
2025-05-25 01:14:47 - Memory range locked: 0xC22D5000 - 0xC3480000 (30188388KB of available memory left)  
2025-05-25 01:14:47 - Memory range locked: 0xC3481000 - 0xC44DF000 (30171628KB of available memory left)  
2025-05-25 01:14:47 - Skipping memory range 0xC471F000 - 0xC4C4C000 (5300KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0xC4C5D000 - 0xC4C6A000 (52KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0xC4C74000 - 0xC4C7E000 (40KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0xC4C96000 - 0xC4C9B000 (20KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0xC4CC1000 - 0xC4CC2000 (4KB). Range too small.  
2025-05-25 01:14:47 - Skipping memory range 0xCC000000 - 0xCC020000 (128KB). Range too small.  
2025-05-25 01:14:47 - Memory range locked: 0x100000000 - 0x82F380000 (37868KB of available memory left)  
2025-05-25 01:14:47 - All memory ranges successfully locked  
2025-05-25 01:14:47 - Starting pass #1 (of 4)  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:14:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:14:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)

2025-05-25 01:14:47 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:14:47 - DIMM0 temperature: 38.750C  
2025-05-25 01:14:47 - DIMM1 temperature: 39.750C  
2025-05-25 01:14:47 - Current CPU temperature: 72C  
2025-05-25 01:14:49 - Running test #0 (Test 0 [Address test, walking ones, 1 CPU])  
2025-05-25 01:14:49 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:14:49 - MtSupportRunAllTests - Start time: 2620 ms  
2025-05-25 01:14:49 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:14:49 - MtSupportRunAllTests - Test execution time: 0.802s (Test 0 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:14:49 - Running test #1 (Test 1 [Address test, own address, 1 CPU])  
2025-05-25 01:14:49 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:14:49 - MtSupportRunAllTests - Start time: 3500 ms  
2025-05-25 01:14:49 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:14:55 - MtSupportRunAllTests - Test execution time: 5.146s (Test 1 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:14:55 - Running test #2 (Test 2 [Address test, own address])  
2025-05-25 01:14:55 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:14:55 - MtSupportRunAllTests - Start time: 8702 ms  
2025-05-25 01:14:55 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:15:01 - MtSupportRunAllTests - Test execution time: 6.673s (Test 2 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:15:01 - Running test #3 (Test 3 [Moving inversions, ones & zeroes])  
2025-05-25 01:15:01 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:15:01 - MtSupportRunAllTests - Start time: 15435 ms  
2025-05-25 01:15:01 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:15:21 - MtSupportRunAllTests - Test execution time: 19.340s (Test 3 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:15:21 - Running test #4 (Test 4 [Moving inversions, 8-bit pattern])  
2025-05-25 01:15:21 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:15:21 - MtSupportRunAllTests - Start time: 34826 ms  
2025-05-25 01:15:21 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:15:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:15:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:15:47 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:15:47 - DIMM0 temperature: 41.250C  
2025-05-25 01:15:47 - DIMM1 temperature: 42.250C  
2025-05-25 01:15:47 - Current CPU temperature: 78C  
2025-05-25 01:16:38 - MtSupportRunAllTests - Test execution time: 77.332s (Test 4 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:16:38 - Running test #5 (Test 5 [Moving inversions, random

pattern])

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2025-05-25 01:16:38 - MtSupportRunAllTests - Setting random seed to 0x50415353
2025-05-25 01:16:38 - MtSupportRunAllTests - Start time: 112212 ms
2025-05-25 01:16:38 - Start memory range test (0x0 - 0x83000000)
2025-05-25 01:16:47 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 01:16:47 - poll_timings_ryzen - [MC0] DebugMisc=00000038
2025-05-25 01:16:47 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 01:16:47 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 01:16:47 - poll_timings_ryzen - [MC0] 16-20-20-38
2025-05-25 01:16:47 - poll_timings_ryzen - [MC1] DramConfiguration=00001936
2025-05-25 01:16:47 - poll_timings_ryzen - [MC1] DebugMisc=00000038
2025-05-25 01:16:47 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING1=14142610
2025-05-25 01:16:47 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING2=00140055
2025-05-25 01:16:47 - poll_timings_ryzen - [MC1] 16-20-20-38
2025-05-25 01:16:47 - get_mem_ctrl_timings - [0-24-2] 3600 MT/s (16-20-20-38)
2025-05-25 01:16:47 - Current mem timings: 3600 MT/s (16-20-20-38)
2025-05-25 01:16:47 - DIMM0 temperature: 43.500C
2025-05-25 01:16:47 - DIMM1 temperature: 44.250C
2025-05-25 01:16:47 - Current CPU temperature: 81C
2025-05-25 01:17:47 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 01:17:47 - poll_timings_ryzen - [MC0] DebugMisc=00000038
2025-05-25 01:17:47 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 01:17:47 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 01:17:47 - poll_timings_ryzen - [MC0] 16-20-20-38
2025-05-25 01:17:47 - poll_timings_ryzen - [MC1] DramConfiguration=00001936
2025-05-25 01:17:47 - poll_timings_ryzen - [MC1] DebugMisc=00000038
2025-05-25 01:17:47 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING1=14142610
2025-05-25 01:17:47 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING2=00140055
2025-05-25 01:17:47 - poll_timings_ryzen - [MC1] 16-20-20-38
2025-05-25 01:17:47 - get_mem_ctrl_timings - [0-24-2] 3600 MT/s (16-20-20-38)
2025-05-25 01:17:47 - Current mem timings: 3600 MT/s (16-20-20-38)
2025-05-25 01:17:47 - DIMM0 temperature: 45.250C
2025-05-25 01:17:47 - DIMM1 temperature: 46.000C
2025-05-25 01:17:47 - Current CPU temperature: 82C
2025-05-25 01:18:01 - MtSupportRunAllTests - Test execution time: 82.727s (Test
5 cumulative error count: 0, buffer full count: 0)
2025-05-25 01:18:01 - Running test #6 (Test 6 [Block move, 64-byte blocks])
2025-05-25 01:18:01 - MtSupportRunAllTests - Setting random seed to 0x50415353
2025-05-25 01:18:01 - MtSupportRunAllTests - Start time: 194999 ms
2025-05-25 01:18:01 - Start memory range test (0x0 - 0x83000000)
2025-05-25 01:18:47 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 01:18:47 - poll_timings_ryzen - [MC0] DebugMisc=00000038
2025-05-25 01:18:47 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 01:18:47 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 01:18:47 - poll_timings_ryzen - [MC0] 16-20-20-38
2025-05-25 01:18:47 - poll_timings_ryzen - [MC1] DramConfiguration=00001936
2025-05-25 01:18:47 - poll_timings_ryzen - [MC1] DebugMisc=00000038
2025-05-25 01:18:47 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING1=14142610
2025-05-25 01:18:47 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING2=00140055
2025-05-25 01:18:47 - poll_timings_ryzen - [MC1] 16-20-20-38
2025-05-25 01:18:47 - get_mem_ctrl_timings - [0-24-2] 3600 MT/s (16-20-20-38)
2025-05-25 01:18:47 - Current mem timings: 3600 MT/s (16-20-20-38)
2025-05-25 01:18:47 - DIMM0 temperature: 45.250C
2025-05-25 01:18:47 - DIMM1 temperature: 46.250C
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2025-05-25 01:18:47 - Current CPU temperature: 65C  
2025-05-25 01:19:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:19:47 - poll\_timings\_ryzen - [MC0] DebugMisc=000000B8  
2025-05-25 01:19:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:19:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:19:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:19:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:19:49 - poll\_timings\_ryzen - [MC1] DebugMisc=000000B8  
2025-05-25 01:19:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:19:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:19:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:19:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:19:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:19:49 - DIMM0 temperature: 45.250C  
2025-05-25 01:19:49 - DIMM1 temperature: 46.000C  
2025-05-25 01:19:49 - Current CPU temperature: 64C  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:20:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:20:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:20:47 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:20:47 - DIMM0 temperature: 45.250C  
2025-05-25 01:20:47 - DIMM1 temperature: 46.000C  
2025-05-25 01:20:47 - Current CPU temperature: 65C  
2025-05-25 01:21:09 - MtSupportRunAllTests - Test execution time: 187.811s (Test 6 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:21:09 - Running test #7 (Test 7 [Moving inversions, 32-bit pattern])  
2025-05-25 01:21:09 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:21:09 - MtSupportRunAllTests - Start time: 382864 ms  
2025-05-25 01:21:09 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:21:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:21:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:21:47 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:21:47 - DIMM0 temperature: 46.500C  
2025-05-25 01:21:47 - DIMM1 temperature: 47.000C  
2025-05-25 01:21:48 - Current CPU temperature: 83C  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:22:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:22:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:22:47 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:22:47 - DIMM0 temperature: 47.750C  
2025-05-25 01:22:47 - DIMM1 temperature: 48.250C  
2025-05-25 01:22:48 - Current CPU temperature: 83C  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:23:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:23:47 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:23:47 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:23:48 - DIMM0 temperature: 48.750C  
2025-05-25 01:23:48 - DIMM1 temperature: 49.250C  
2025-05-25 01:23:48 - Current CPU temperature: 84C  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:24:47 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:24:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:24:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:24:48 - DIMM0 temperature: 49.500C  
2025-05-25 01:24:48 - DIMM1 temperature: 50.250C  
2025-05-25 01:24:48 - Current CPU temperature: 85C  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:25:47 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:25:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38

2025-05-25 01:25:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:25:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:25:49 - DIMM0 temperature: 50.250C  
2025-05-25 01:25:49 - DIMM1 temperature: 51.000C  
2025-05-25 01:25:49 - Current CPU temperature: 83C  
2025-05-25 01:26:15 - MtSupportRunAllTests - Test execution time: 306.493s (Test 7 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:26:15 - Running test #8 (Test 8 [Random number sequence])  
2025-05-25 01:26:15 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:26:15 - MtSupportRunAllTests - Start time: 689413 ms  
2025-05-25 01:26:15 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:26:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:26:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:26:47 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:26:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:26:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:26:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:26:48 - DIMM0 temperature: 50.250C  
2025-05-25 01:26:48 - DIMM1 temperature: 51.000C  
2025-05-25 01:26:48 - Current CPU temperature: 90C  
2025-05-25 01:27:27 - MtSupportRunAllTests - Test execution time: 71.231s (Test 8 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:27:27 - Running test #9 (Test 9 [Modulo 20, random pattern])  
2025-05-25 01:27:27 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:27:27 - MtSupportRunAllTests - Start time: 760700 ms  
2025-05-25 01:27:27 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:27:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:27:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:27:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:27:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:27:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:27:48 - DIMM0 temperature: 50.500C  
2025-05-25 01:27:48 - DIMM1 temperature: 51.250C  
2025-05-25 01:27:48 - Current CPU temperature: 83C  
2025-05-25 01:28:47 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:28:47 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038

2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:28:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:28:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:28:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:28:48 - DIMM0 temperature: 51.000C  
2025-05-25 01:28:48 - DIMM1 temperature: 51.750C  
2025-05-25 01:28:48 - Current CPU temperature: 82C  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:29:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:29:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:29:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:29:48 - DIMM0 temperature: 51.250C  
2025-05-25 01:29:48 - DIMM1 temperature: 52.000C  
2025-05-25 01:29:48 - Current CPU temperature: 82C  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:30:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:30:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:30:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:30:48 - DIMM0 temperature: 51.750C  
2025-05-25 01:30:48 - DIMM1 temperature: 52.250C  
2025-05-25 01:30:48 - Current CPU temperature: 82C  
2025-05-25 01:31:12 - MtSupportRunAllTests - Test execution time: 225.709s (Test  
9 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:31:12 - Running test #10 (Test 10 [Bit fade test, 2 patterns, 1  
CPU])  
2025-05-25 01:31:12 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:31:12 - MtSupportRunAllTests - Start time: 986469 ms  
2025-05-25 01:31:13 - Start bit fade test (0x0 - 0x83000000)  
2025-05-25 01:31:13 - Starting Stage 0, Pattern=00000000  
2025-05-25 01:31:15 - Finished Stage 0, Pattern=00000000  
2025-05-25 01:31:15 - Sleep start time: 988753  
2025-05-25 01:31:15 - Sleep time: 300000  
2025-05-25 01:31:15 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 01:31:45 - Slept for 30 seconds  
2025-05-25 01:31:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:31:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610

2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:31:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:31:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:31:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:31:49 - DIMM0 temperature: 49.750C  
2025-05-25 01:31:49 - DIMM1 temperature: 50.500C  
2025-05-25 01:31:49 - Current CPU temperature: 62C  
2025-05-25 01:32:17 - Slept for 61 seconds  
2025-05-25 01:32:47 - Slept for 91 seconds  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:32:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:32:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:32:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:32:48 - DIMM0 temperature: 47.500C  
2025-05-25 01:32:48 - DIMM1 temperature: 48.500C  
2025-05-25 01:32:48 - Current CPU temperature: 60C  
2025-05-25 01:33:17 - Slept for 122 seconds  
2025-05-25 01:33:47 - Slept for 152 seconds  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:33:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:33:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:33:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:33:48 - DIMM0 temperature: 45.750C  
2025-05-25 01:33:48 - DIMM1 temperature: 46.500C  
2025-05-25 01:33:48 - Current CPU temperature: 60C  
2025-05-25 01:34:17 - Slept for 182 seconds  
2025-05-25 01:34:48 - Slept for 212 seconds  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936

2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:34:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:34:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:34:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:34:48 - DIMM0 temperature: 44.250C  
2025-05-25 01:34:48 - DIMM1 temperature: 45.250C  
2025-05-25 01:34:48 - Current CPU temperature: 59C  
2025-05-25 01:35:18 - Slept for 243 seconds  
2025-05-25 01:35:48 - Slept for 273 seconds  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:35:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:35:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:35:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:35:48 - DIMM0 temperature: 43.000C  
2025-05-25 01:35:48 - DIMM1 temperature: 44.000C  
2025-05-25 01:35:48 - Current CPU temperature: 59C  
2025-05-25 01:36:15 - Starting Stage 1, Pattern=00000000  
2025-05-25 01:36:19 - Finished Stage 1, Pattern=00000000  
2025-05-25 01:36:19 - Starting Stage 0, Pattern=FFFFFFFF  
2025-05-25 01:36:21 - Finished Stage 0, Pattern=FFFFFFFF  
2025-05-25 01:36:21 - Sleep start time: 1295101  
2025-05-25 01:36:21 - Sleep time: 300000  
2025-05-25 01:36:21 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:36:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:36:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:36:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:36:48 - DIMM0 temperature: 42.000C  
2025-05-25 01:36:50 - DIMM1 temperature: 43.250C  
2025-05-25 01:36:50 - Current CPU temperature: 59C  
2025-05-25 01:36:53 - Slept for 31 seconds  
2025-05-25 01:37:23 - Slept for 61 seconds  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:37:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:37:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:37:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:37:48 - DIMM0 temperature: 41.250C  
2025-05-25 01:37:48 - DIMM1 temperature: 42.500C  
2025-05-25 01:37:48 - Current CPU temperature: 58C  
2025-05-25 01:37:53 - Slept for 92 seconds  
2025-05-25 01:38:23 - Slept for 122 seconds  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:38:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:38:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:38:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:38:48 - DIMM0 temperature: 40.750C  
2025-05-25 01:38:48 - DIMM1 temperature: 41.750C  
2025-05-25 01:38:48 - Current CPU temperature: 58C  
2025-05-25 01:38:54 - Slept for 152 seconds  
2025-05-25 01:39:24 - Slept for 182 seconds  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:39:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:39:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:39:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:39:48 - DIMM0 temperature: 40.250C  
2025-05-25 01:39:48 - DIMM1 temperature: 41.250C  
2025-05-25 01:39:48 - Current CPU temperature: 57C  
2025-05-25 01:39:54 - Slept for 212 seconds  
2025-05-25 01:40:24 - Slept for 243 seconds  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8

2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:40:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:40:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:40:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:40:48 - DIMM0 temperature: 39.750C  
2025-05-25 01:40:48 - DIMM1 temperature: 41.000C  
2025-05-25 01:40:48 - Current CPU temperature: 57C  
2025-05-25 01:40:55 - Slept for 273 seconds  
2025-05-25 01:41:21 - Starting Stage 1, Pattern=FFFFFFFF  
2025-05-25 01:41:25 - Finished Stage 1, Pattern=FFFFFFFF  
2025-05-25 01:41:25 - MtSupportRunAllTests - Test execution time: 612.713s (Test  
10 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:41:25 - Running test #13 (Test 13 [Hammer test])  
2025-05-25 01:41:25 - MtSupportRunAllTests - Setting random seed to 0x50415353  
2025-05-25 01:41:25 - MtSupportRunAllTests - Start time: 1599249 ms  
2025-05-25 01:41:25 - Start double-sided hammer test (0x0 - 0x830000000, Step  
size: 0x1000000)  
2025-05-25 01:41:25 - Using random pattern  
2025-05-25 01:41:25 - # of segments to hammer: 15 (SegSize=2048MB, SkipSize=0MB)  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:41:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:41:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:41:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:41:48 - DIMM0 temperature: 39.750C  
2025-05-25 01:41:48 - DIMM1 temperature: 40.750C  
2025-05-25 01:41:49 - Current CPU temperature: 84C  
2025-05-25 01:42:20 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0xB020000 - 0x8B020000]  
2025-05-25 01:42:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:42:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:42:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:42:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:42:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:42:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:42:50 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:42:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:42:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:42:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:42:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:42:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:42:50 - DIMM0 temperature: 39.750C  
2025-05-25 01:42:50 - DIMM1 temperature: 40.750C  
2025-05-25 01:42:50 - Current CPU temperature: 78C  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8

2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:43:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:43:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:43:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:43:48 - DIMM0 temperature: 39.750C  
2025-05-25 01:43:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:43:49 - Current CPU temperature: 85C  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:44:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:44:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:44:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:44:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:44:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:44:49 - Current CPU temperature: 80C  
2025-05-25 01:44:52 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x100000000 - 0x180000000]  
2025-05-25 01:45:29 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x180000000 - 0x200000000]  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:45:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:45:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:45:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:45:49 - DIMM0 temperature: 39.750C  
2025-05-25 01:45:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:45:49 - Current CPU temperature: 85C  
2025-05-25 01:46:07 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x200000000 - 0x280000000]  
2025-05-25 01:46:45 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x280000000 - 0x300000000]  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610

2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:46:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:46:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:46:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:46:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:46:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:46:49 - Current CPU temperature: 83C  
2025-05-25 01:47:23 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x300000000 - 0x380000000]  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:47:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:47:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:47:48 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:47:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:47:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:47:49 - Current CPU temperature: 82C  
2025-05-25 01:48:01 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x380000000 - 0x400000000]  
2025-05-25 01:48:39 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x400000000 - 0x480000000]  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:48:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:48:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:48:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:48:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:48:50 - DIMM0 temperature: 40.000C  
2025-05-25 01:48:50 - DIMM1 temperature: 41.000C  
2025-05-25 01:48:50 - Current CPU temperature: 81C  
2025-05-25 01:49:18 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x480000000 - 0x500000000]  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:49:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:49:48 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:49:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:49:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:49:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:49:49 - Current CPU temperature: 81C  
2025-05-25 01:49:56 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x500000000 - 0x580000000]  
2025-05-25 01:50:34 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x580000000 - 0x600000000]  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:50:48 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:50:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:50:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:50:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:50:49 - DIMM1 temperature: 41.000C  
2025-05-25 01:50:49 - Current CPU temperature: 85C  
2025-05-25 01:51:12 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x600000000 - 0x680000000]  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:51:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:51:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:51:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:51:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:51:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:51:49 - DIMM1 temperature: 41.250C  
2025-05-25 01:51:49 - Current CPU temperature: 80C  
2025-05-25 01:51:50 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x680000000 - 0x700000000]  
2025-05-25 01:52:28 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x700000000 - 0x780000000]  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610

2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:52:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:52:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:52:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:52:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:52:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:52:49 - DIMM1 temperature: 41.250C  
2025-05-25 01:52:49 - Current CPU temperature: 85C  
2025-05-25 01:53:06 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x780000000 - 0x800000000]  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:53:48 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:53:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:53:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:53:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:53:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:53:49 - DIMM0 temperature: 40.000C  
2025-05-25 01:53:49 - DIMM1 temperature: 41.250C  
2025-05-25 01:53:49 - Current CPU temperature: 84C  
2025-05-25 01:54:04 - MtSupportRunAllTests - Test execution time: 759.022s (Test  
13 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:54:04 - Finished pass #1 (of 4) (Cumulative error count: 0, buffer  
full count: 0)  
2025-05-25 01:54:04 - Starting pass #2 (of 4)  
2025-05-25 01:54:04 - Running test #0 (Test 0 [Address test, walking ones, 1  
CPU])  
2025-05-25 01:54:04 - MtSupportRunAllTests - Setting random seed to 0xB3F051FC  
2025-05-25 01:54:04 - MtSupportRunAllTests - Start time: 2358354 ms  
2025-05-25 01:54:04 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:54:05 - MtSupportRunAllTests - Test execution time: 0.808s (Test 0  
cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:54:05 - Running test #1 (Test 1 [Address test, own address, 1  
CPU])  
2025-05-25 01:54:05 - MtSupportRunAllTests - Setting random seed to 0x773A1B56  
2025-05-25 01:54:05 - MtSupportRunAllTests - Start time: 2359220 ms  
2025-05-25 01:54:05 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:54:11 - MtSupportRunAllTests - Test execution time: 5.179s (Test 1  
cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:54:11 - Running test #2 (Test 2 [Address test, own address])  
2025-05-25 01:54:12 - MtSupportRunAllTests - Setting random seed to 0x5DBBAFAE  
2025-05-25 01:54:12 - MtSupportRunAllTests - Start time: 2365888 ms  
2025-05-25 01:54:12 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:54:19 - MtSupportRunAllTests - Test execution time: 6.673s (Test 2  
cumulative error count: 0, buffer full count: 0)

2025-05-25 01:54:19 - Running test #3 (Test 3 [Moving inversions, ones & zeroes])  
2025-05-25 01:54:19 - MtSupportRunAllTests - Setting random seed to 0x53B57902  
2025-05-25 01:54:19 - MtSupportRunAllTests - Start time: 2372626 ms  
2025-05-25 01:54:19 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:54:48 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:54:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:54:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:54:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:54:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:54:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:54:49 - DIMM0 temperature: 41.750C  
2025-05-25 01:54:49 - DIMM1 temperature: 42.750C  
2025-05-25 01:54:49 - Current CPU temperature: 84C  
2025-05-25 01:55:03 - MtSupportRunAllTests - Test execution time: 44.628s (Test 3 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:55:03 - Running test #4 (Test 4 [Moving inversions, 8-bit pattern])  
2025-05-25 01:55:03 - MtSupportRunAllTests - Setting random seed to 0xDC3535E8  
2025-05-25 01:55:03 - MtSupportRunAllTests - Start time: 2417307 ms  
2025-05-25 01:55:03 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:55:48 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 01:55:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:55:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:55:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:55:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:55:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:55:49 - DIMM0 temperature: 44.000C  
2025-05-25 01:55:49 - DIMM1 temperature: 44.750C  
2025-05-25 01:55:49 - Current CPU temperature: 85C  
2025-05-25 01:56:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:56:48 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:56:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:56:48 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:56:48 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:56:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:56:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:56:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:56:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:56:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:56:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:56:49 - Current mem timings: 3600 MT/s (16-20-20-38)

2025-05-25 01:56:49 - DIMM0 temperature: 45.750C  
2025-05-25 01:56:49 - DIMM1 temperature: 46.500C  
2025-05-25 01:56:49 - Current CPU temperature: 86C  
2025-05-25 01:57:48 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:57:48 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:57:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:57:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:57:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:57:49 - DIMM0 temperature: 47.250C  
2025-05-25 01:57:49 - DIMM1 temperature: 48.000C  
2025-05-25 01:57:49 - Current CPU temperature: 87C  
2025-05-25 01:58:02 - MtSupportRunAllTests - Test execution time: 178.815s (Test  
4 cumulative error count: 0, buffer full count: 0)  
2025-05-25 01:58:02 - Running test #5 (Test 5 [Moving inversions, random  
pattern])  
2025-05-25 01:58:02 - MtSupportRunAllTests - Setting random seed to 0x1F21EA3C  
2025-05-25 01:58:02 - MtSupportRunAllTests - Start time: 2596179 ms  
2025-05-25 01:58:02 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:58:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:58:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:58:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:58:49 - DIMM0 temperature: 48.250C  
2025-05-25 01:58:49 - DIMM1 temperature: 49.250C  
2025-05-25 01:58:49 - Current CPU temperature: 87C  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 01:59:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 01:59:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 01:59:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 01:59:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 01:59:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 01:59:50 - DIMM0 temperature: 49.250C  
2025-05-25 01:59:50 - DIMM1 temperature: 50.000C

2025-05-25 01:59:50 - Current CPU temperature: 88C  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:00:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:00:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:00:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:00:49 - DIMM0 temperature: 50.000C  
2025-05-25 02:00:49 - DIMM1 temperature: 50.750C  
2025-05-25 02:00:49 - Current CPU temperature: 88C  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:01:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:01:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:01:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:01:49 - DIMM0 temperature: 50.500C  
2025-05-25 02:01:49 - DIMM1 temperature: 51.250C  
2025-05-25 02:01:49 - Current CPU temperature: 88C  
2025-05-25 02:02:02 - MtSupportRunAllTests - Test execution time: 239.702s (Test 5 cumulative error count: 0, buffer full count: 0)  
2025-05-25 02:02:02 - Running test #6 (Test 6 [Block move, 64-byte blocks])  
2025-05-25 02:02:02 - MtSupportRunAllTests - Setting random seed to 0x40C93012  
2025-05-25 02:02:02 - MtSupportRunAllTests - Start time: 2835939 ms  
2025-05-25 02:02:02 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:02:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:02:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:02:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:02:49 - DIMM0 temperature: 49.750C  
2025-05-25 02:02:49 - DIMM1 temperature: 50.500C  
2025-05-25 02:02:49 - Current CPU temperature: 72C  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8

2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:03:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:03:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:03:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:03:49 - DIMM0 temperature: 48.750C  
2025-05-25 02:03:49 - DIMM1 temperature: 49.750C  
2025-05-25 02:03:49 - Current CPU temperature: 68C  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:04:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:04:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:04:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:04:49 - DIMM0 temperature: 48.250C  
2025-05-25 02:04:49 - DIMM1 temperature: 49.000C  
2025-05-25 02:04:49 - Current CPU temperature: 67C  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC1] DebugMisc=000000B8  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:05:49 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:05:49 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:05:49 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:05:49 - DIMM0 temperature: 47.500C  
2025-05-25 02:05:51 - DIMM1 temperature: 48.500C  
2025-05-25 02:05:51 - Current CPU temperature: 67C  
2025-05-25 02:06:49 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:06:49 - poll\_timings\_ryzen - [MC0] DebugMisc=00000078  
2025-05-25 02:06:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:06:49 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:06:49 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:06:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:06:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:06:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:06:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:06:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:06:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)

2025-05-25 02:06:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:06:50 - DIMM0 temperature: 47.000C  
2025-05-25 02:06:50 - DIMM1 temperature: 48.000C  
2025-05-25 02:06:50 - Current CPU temperature: 65C  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:07:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:07:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:07:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:07:50 - DIMM0 temperature: 46.750C  
2025-05-25 02:07:50 - DIMM1 temperature: 47.750C  
2025-05-25 02:07:50 - Current CPU temperature: 65C  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000078  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:08:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:08:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:08:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:08:50 - DIMM0 temperature: 46.500C  
2025-05-25 02:08:50 - DIMM1 temperature: 47.500C  
2025-05-25 02:08:50 - Current CPU temperature: 65C  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000078  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:09:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:09:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:09:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:09:50 - DIMM0 temperature: 46.250C  
2025-05-25 02:09:50 - DIMM1 temperature: 47.250C  
2025-05-25 02:09:50 - Current CPU temperature: 64C  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38

2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:10:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:10:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:10:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:10:50 - DIMM0 temperature: 46.250C  
2025-05-25 02:10:50 - DIMM1 temperature: 47.000C  
2025-05-25 02:10:50 - Current CPU temperature: 64C  
2025-05-25 02:11:02 - MtSupportRunAllTests - Test execution time: 540.246s (Test  
6 cumulative error count: 0, buffer full count: 0)  
2025-05-25 02:11:02 - Running test #7 (Test 7 [Moving inversions, 32-bit  
pattern])  
2025-05-25 02:11:02 - MtSupportRunAllTests - Setting random seed to 0x4D834FD0  
2025-05-25 02:11:02 - MtSupportRunAllTests - Start time: 3376241 ms  
2025-05-25 02:11:02 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:11:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:11:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:11:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:11:50 - DIMM0 temperature: 47.500C  
2025-05-25 02:11:50 - DIMM1 temperature: 48.250C  
2025-05-25 02:11:50 - Current CPU temperature: 87C  
2025-05-25 02:12:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:12:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:12:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:12:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:12:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:12:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:12:52 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:12:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:12:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:12:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:12:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:12:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:12:52 - DIMM0 temperature: 48.500C  
2025-05-25 02:12:52 - DIMM1 temperature: 49.250C  
2025-05-25 02:12:52 - Current CPU temperature: 89C  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8

2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:13:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:13:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:13:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:13:50 - DIMM0 temperature: 49.500C  
2025-05-25 02:13:50 - DIMM1 temperature: 50.250C  
2025-05-25 02:13:50 - Current CPU temperature: 88C  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:14:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:14:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:14:50 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:14:50 - DIMM0 temperature: 50.250C  
2025-05-25 02:14:51 - DIMM1 temperature: 51.000C  
2025-05-25 02:14:51 - Current CPU temperature: 89C  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:15:50 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:15:50 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:15:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:15:51 - DIMM0 temperature: 50.750C  
2025-05-25 02:15:51 - DIMM1 temperature: 51.500C  
2025-05-25 02:15:51 - Current CPU temperature: 89C  
2025-05-25 02:16:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:16:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:16:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:16:50 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:16:50 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:16:50 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:16:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:16:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:16:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:16:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:16:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:16:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:16:51 - DIMM0 temperature: 51.250C  
2025-05-25 02:16:51 - DIMM1 temperature: 52.000C  
2025-05-25 02:16:51 - Current CPU temperature: 89C  
2025-05-25 02:17:50 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 02:17:50 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:17:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:17:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:17:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:17:51 - DIMM0 temperature: 51.750C  
2025-05-25 02:17:51 - DIMM1 temperature: 52.500C  
2025-05-25 02:17:51 - Current CPU temperature: 90C  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:18:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:18:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:18:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:18:51 - DIMM0 temperature: 52.000C  
2025-05-25 02:18:51 - DIMM1 temperature: 52.750C  
2025-05-25 02:18:51 - Current CPU temperature: 90C  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:19:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:19:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:19:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:19:51 - DIMM0 temperature: 52.250C  
2025-05-25 02:19:51 - DIMM1 temperature: 53.000C  
2025-05-25 02:19:51 - Current CPU temperature: 90C  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:20:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38

2025-05-25 02:20:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:20:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:20:51 - DIMM0 temperature: 52.500C  
2025-05-25 02:20:51 - DIMM1 temperature: 53.250C  
2025-05-25 02:20:51 - Current CPU temperature: 90C  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:21:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:21:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:21:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:21:51 - DIMM0 temperature: 52.750C  
2025-05-25 02:21:51 - DIMM1 temperature: 53.500C  
2025-05-25 02:21:51 - Current CPU temperature: 90C  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:22:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:22:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:22:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:22:51 - DIMM0 temperature: 53.000C  
2025-05-25 02:22:51 - DIMM1 temperature: 53.750C  
2025-05-25 02:22:51 - Current CPU temperature: 91C  
2025-05-25 02:22:54 - MtSupportRunAllTests - Test execution time: 711.996s (Test 7 cumulative error count: 0, buffer full count: 0)  
2025-05-25 02:22:54 - Running test #8 (Test 8 [Random number sequence])  
2025-05-25 02:22:54 - MtSupportRunAllTests - Setting random seed to 0x4F50055A  
2025-05-25 02:22:54 - MtSupportRunAllTests - Start time: 4088293 ms  
2025-05-25 02:22:54 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:23:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:23:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:23:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:23:51 - DIMM0 temperature: 52.250C

2025-05-25 02:23:51 - DIMM1 temperature: 53.000C  
2025-05-25 02:23:51 - Current CPU temperature: 90C  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:24:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:24:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:24:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:24:51 - DIMM0 temperature: 51.750C  
2025-05-25 02:24:51 - DIMM1 temperature: 52.500C  
2025-05-25 02:24:51 - Current CPU temperature: 90C  
2025-05-25 02:25:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:25:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:25:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:25:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:25:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:25:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:25:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:25:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:25:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:25:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:25:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:25:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:25:53 - DIMM0 temperature: 51.250C  
2025-05-25 02:25:53 - DIMM1 temperature: 52.250C  
2025-05-25 02:25:53 - Current CPU temperature: 90C  
2025-05-25 02:26:30 - MtSupportRunAllTests - Test execution time: 215.629s (Test 8 cumulative error count: 0, buffer full count: 0)  
2025-05-25 02:26:30 - Running test #9 (Test 9 [Modulo 20, random pattern])  
2025-05-25 02:26:30 - MtSupportRunAllTests - Setting random seed to 0x249E7A9E  
2025-05-25 02:26:30 - MtSupportRunAllTests - Start time: 4303978 ms  
2025-05-25 02:26:30 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:26:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:26:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:26:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:26:51 - DIMM0 temperature: 51.500C  
2025-05-25 02:26:51 - DIMM1 temperature: 52.250C  
2025-05-25 02:26:51 - Current CPU temperature: 85C  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:27:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:27:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:27:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:27:51 - DIMM0 temperature: 51.750C  
2025-05-25 02:27:51 - DIMM1 temperature: 52.750C  
2025-05-25 02:27:51 - Current CPU temperature: 85C  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:28:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:28:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:28:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:28:51 - DIMM0 temperature: 52.250C  
2025-05-25 02:28:51 - DIMM1 temperature: 53.000C  
2025-05-25 02:28:51 - Current CPU temperature: 84C  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:29:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:29:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:29:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:29:51 - DIMM0 temperature: 52.500C  
2025-05-25 02:29:51 - DIMM1 temperature: 53.250C  
2025-05-25 02:29:51 - Current CPU temperature: 85C  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:30:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38

2025-05-25 02:30:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:30:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:30:51 - DIMM0 temperature: 52.750C  
2025-05-25 02:30:51 - DIMM1 temperature: 53.500C  
2025-05-25 02:30:51 - Current CPU temperature: 84C  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:31:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:31:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:31:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:31:53 - DIMM0 temperature: 52.750C  
2025-05-25 02:31:53 - DIMM1 temperature: 53.500C  
2025-05-25 02:31:53 - Current CPU temperature: 85C  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:32:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:32:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:32:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:32:51 - DIMM0 temperature: 53.000C  
2025-05-25 02:32:51 - DIMM1 temperature: 53.750C  
2025-05-25 02:32:51 - Current CPU temperature: 84C  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:33:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:33:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:33:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:33:51 - DIMM0 temperature: 53.250C  
2025-05-25 02:33:51 - DIMM1 temperature: 53.750C  
2025-05-25 02:33:51 - Current CPU temperature: 84C  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:34:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:34:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:34:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:34:51 - DIMM0 temperature: 53.250C  
2025-05-25 02:34:51 - DIMM1 temperature: 54.000C  
2025-05-25 02:34:51 - Current CPU temperature: 84C  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:35:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:35:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:35:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:35:51 - DIMM0 temperature: 53.250C  
2025-05-25 02:35:51 - DIMM1 temperature: 54.000C  
2025-05-25 02:35:51 - Current CPU temperature: 84C  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:36:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:36:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:36:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:36:51 - DIMM0 temperature: 53.500C  
2025-05-25 02:36:51 - DIMM1 temperature: 54.000C  
2025-05-25 02:36:52 - Current CPU temperature: 84C  
2025-05-25 02:37:35 - MtSupportRunAllTests - Test execution time: 665.024s (Test 9 cumulative error count: 0, buffer full count: 0)  
2025-05-25 02:37:35 - Running test #10 (Test 10 [Bit fade test, 2 patterns, 1 CPU])  
2025-05-25 02:37:35 - MtSupportRunAllTests - Setting random seed to 0x97E12596  
2025-05-25 02:37:35 - MtSupportRunAllTests - Start time: 4969061 ms  
2025-05-25 02:37:35 - Start bit fade test (0x0 - 0x83000000)  
2025-05-25 02:37:35 - Starting Stage 0, Pattern=00000000  
2025-05-25 02:37:38 - Finished Stage 0, Pattern=00000000  
2025-05-25 02:37:38 - Sleep start time: 4971335  
2025-05-25 02:37:38 - Sleep time: 300000  
2025-05-25 02:37:38 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:37:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:37:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:37:51 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:37:52 - DIMM0 temperature: 52.500C  
2025-05-25 02:37:53 - DIMM1 temperature: 53.250C  
2025-05-25 02:37:53 - Current CPU temperature: 69C  
2025-05-25 02:38:09 - Slept for 31 seconds  
2025-05-25 02:38:39 - Slept for 61 seconds  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:38:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:38:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:38:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:38:52 - DIMM0 temperature: 49.500C  
2025-05-25 02:38:52 - DIMM1 temperature: 50.500C  
2025-05-25 02:38:52 - Current CPU temperature: 63C  
2025-05-25 02:39:10 - Slept for 92 seconds  
2025-05-25 02:39:40 - Slept for 122 seconds  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:39:51 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:39:51 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:39:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:39:52 - DIMM0 temperature: 47.500C  
2025-05-25 02:39:52 - DIMM1 temperature: 48.500C  
2025-05-25 02:39:52 - Current CPU temperature: 61C  
2025-05-25 02:40:10 - Slept for 152 seconds  
2025-05-25 02:40:40 - Slept for 182 seconds  
2025-05-25 02:40:51 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:40:51 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:40:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:40:51 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 02:40:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:40:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:40:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:40:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:40:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:40:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:40:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:40:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:40:52 - DIMM0 temperature: 46.000C  
2025-05-25 02:40:52 - DIMM1 temperature: 47.000C  
2025-05-25 02:40:52 - Current CPU temperature: 61C  
2025-05-25 02:41:11 - Slept for 212 seconds  
2025-05-25 02:41:41 - Slept for 243 seconds  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:41:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:41:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:41:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:41:52 - DIMM0 temperature: 44.500C  
2025-05-25 02:41:52 - DIMM1 temperature: 45.500C  
2025-05-25 02:41:52 - Current CPU temperature: 60C  
2025-05-25 02:42:11 - Slept for 273 seconds  
2025-05-25 02:42:38 - Starting Stage 1, Pattern=00000000  
2025-05-25 02:42:42 - Finished Stage 1, Pattern=00000000  
2025-05-25 02:42:42 - Starting Stage 0, Pattern=FFFFFFFF  
2025-05-25 02:42:44 - Finished Stage 0, Pattern=FFFFFFFF  
2025-05-25 02:42:44 - Sleep start time: 5277693  
2025-05-25 02:42:44 - Sleep time: 300000  
2025-05-25 02:42:44 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:42:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:42:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:42:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:42:52 - DIMM0 temperature: 43.750C  
2025-05-25 02:42:52 - DIMM1 temperature: 44.750C  
2025-05-25 02:42:52 - Current CPU temperature: 70C  
2025-05-25 02:43:14 - Slept for 30 seconds  
2025-05-25 02:43:44 - Slept for 60 seconds  
2025-05-25 02:43:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 02:43:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:43:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:43:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:43:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:43:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:43:53 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:43:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:43:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:43:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:43:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:43:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:43:53 - DIMM0 temperature: 42.750C  
2025-05-25 02:43:53 - DIMM1 temperature: 43.750C  
2025-05-25 02:43:53 - Current CPU temperature: 59C  
2025-05-25 02:44:16 - Slept for 92 seconds  
2025-05-25 02:44:46 - Slept for 122 seconds  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:44:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:44:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:44:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:44:52 - DIMM0 temperature: 42.000C  
2025-05-25 02:44:52 - DIMM1 temperature: 43.000C  
2025-05-25 02:44:52 - Current CPU temperature: 59C  
2025-05-25 02:45:16 - Slept for 152 seconds  
2025-05-25 02:45:46 - Slept for 182 seconds  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:45:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:45:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:45:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:45:52 - DIMM0 temperature: 41.500C  
2025-05-25 02:45:52 - DIMM1 temperature: 42.500C  
2025-05-25 02:45:52 - Current CPU temperature: 59C  
2025-05-25 02:46:17 - Slept for 212 seconds  
2025-05-25 02:46:47 - Slept for 242 seconds  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:46:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:46:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:46:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:46:52 - DIMM0 temperature: 41.000C  
2025-05-25 02:46:52 - DIMM1 temperature: 42.000C  
2025-05-25 02:46:52 - Current CPU temperature: 59C  
2025-05-25 02:47:17 - Slept for 273 seconds  
2025-05-25 02:47:44 - Starting Stage 1, Pattern=FFFFFFFF  
2025-05-25 02:47:48 - Finished Stage 1, Pattern=FFFFFFFF  
2025-05-25 02:47:48 - MtSupportRunAllTests - Test execution time: 612.744s (Test  
10 cumulative error count: 0, buffer full count: 0)  
2025-05-25 02:47:48 - Running test #13 (Test 13 [Hammer test])  
2025-05-25 02:47:48 - MtSupportRunAllTests - Setting random seed to 0xC8C2FC00  
2025-05-25 02:47:48 - MtSupportRunAllTests - Start time: 5581861 ms  
2025-05-25 02:47:48 - Start double-sided hammer test (0x0 - 0x83000000, Step  
size: 0x1000000)  
2025-05-25 02:47:48 - Using random pattern  
2025-05-25 02:47:48 - # of segments to hammer: 15 (SegSize=2048MB, SkipSize=0MB)  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:47:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:47:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:47:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:47:52 - DIMM0 temperature: 40.750C  
2025-05-25 02:47:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:47:52 - Current CPU temperature: 82C  
2025-05-25 02:48:44 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0xB020000 - 0x8B020000]  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:48:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:48:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:48:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:48:52 - DIMM0 temperature: 40.750C  
2025-05-25 02:48:52 - DIMM1 temperature: 41.750C

2025-05-25 02:48:52 - Current CPU temperature: 80C  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:49:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:49:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:49:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:49:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:49:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:49:52 - Current CPU temperature: 85C  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:50:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:50:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:50:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:50:52 - DIMM0 temperature: 40.750C  
2025-05-25 02:50:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:50:52 - Current CPU temperature: 81C  
2025-05-25 02:51:28 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x100000000 - 0x180000000]  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:51:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:51:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:51:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:51:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:51:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:51:52 - Current CPU temperature: 85C  
2025-05-25 02:52:11 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x180000000 - 0x200000000]  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:52:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:52:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:52:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:52:52 - DIMM0 temperature: 40.750C  
2025-05-25 02:52:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:52:52 - Current CPU temperature: 81C  
2025-05-25 02:52:54 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x200000000 - 0x280000000]  
2025-05-25 02:53:37 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x280000000 - 0x300000000]  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:53:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:53:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:53:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:53:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:53:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:53:52 - Current CPU temperature: 85C  
2025-05-25 02:54:20 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x300000000 - 0x380000000]  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:54:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:54:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:54:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:54:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:54:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:54:52 - Current CPU temperature: 82C  
2025-05-25 02:55:03 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x380000000 - 0x400000000]  
2025-05-25 02:55:46 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x400000000 - 0x480000000]  
2025-05-25 02:55:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:55:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:55:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610

2025-05-25 02:55:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:55:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:55:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:55:53 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:55:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:55:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:55:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:55:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:55:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:55:54 - DIMM0 temperature: 40.500C  
2025-05-25 02:55:54 - DIMM1 temperature: 41.750C  
2025-05-25 02:55:54 - Current CPU temperature: 70C  
2025-05-25 02:56:30 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x480000000 - 0x500000000]  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:56:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:56:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:56:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:56:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:56:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:56:52 - Current CPU temperature: 85C  
2025-05-25 02:57:13 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x500000000 - 0x580000000]  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:57:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:57:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:57:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:57:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:57:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:57:52 - Current CPU temperature: 81C  
2025-05-25 02:57:56 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x580000000 - 0x600000000]  
2025-05-25 02:58:39 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x600000000 - 0x680000000]  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:58:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:58:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:58:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:58:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:58:52 - DIMM1 temperature: 41.750C  
2025-05-25 02:58:52 - Current CPU temperature: 85C  
2025-05-25 02:59:22 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x680000000 - 0x700000000]  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 02:59:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 02:59:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 02:59:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 02:59:52 - DIMM0 temperature: 40.500C  
2025-05-25 02:59:52 - DIMM1 temperature: 41.500C  
2025-05-25 02:59:52 - Current CPU temperature: 83C  
2025-05-25 03:00:05 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x700000000 - 0x780000000]  
2025-05-25 03:00:48 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x780000000 - 0x800000000]  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC0] DebugMisc=00000078  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:00:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:00:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:00:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:00:52 - DIMM0 temperature: 40.500C  
2025-05-25 03:00:52 - DIMM1 temperature: 41.750C  
2025-05-25 03:00:52 - Current CPU temperature: 73C  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8

2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:01:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:01:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:01:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:01:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:01:54 - DIMM0 temperature: 40.500C  
2025-05-25 03:01:54 - DIMM1 temperature: 41.500C  
2025-05-25 03:01:54 - Current CPU temperature: 81C  
2025-05-25 03:01:59 - MtSupportRunAllTests - Test execution time: 850.992s (Test 13 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:01:59 - Finished pass #2 (of 4) (Cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:01:59 - Starting pass #3 (of 4)  
2025-05-25 03:01:59 - Running test #0 (Test 0 [Address test, walking ones, 1 CPU])  
2025-05-25 03:01:59 - MtSupportRunAllTests - Setting random seed to 0xCCBBA3F2  
2025-05-25 03:01:59 - MtSupportRunAllTests - Start time: 6432940 ms  
2025-05-25 03:01:59 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:02:00 - MtSupportRunAllTests - Test execution time: 0.809s (Test 0 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:02:00 - Running test #1 (Test 1 [Address test, own address, 1 CPU])  
2025-05-25 03:02:00 - MtSupportRunAllTests - Setting random seed to 0x90C4EECA  
2025-05-25 03:02:00 - MtSupportRunAllTests - Start time: 6433809 ms  
2025-05-25 03:02:00 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:02:05 - MtSupportRunAllTests - Test execution time: 5.181s (Test 1 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:02:05 - Running test #2 (Test 2 [Address test, own address])  
2025-05-25 03:02:05 - MtSupportRunAllTests - Setting random seed to 0x3436A972  
2025-05-25 03:02:05 - MtSupportRunAllTests - Start time: 6439049 ms  
2025-05-25 03:02:05 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:02:12 - MtSupportRunAllTests - Test execution time: 6.697s (Test 2 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:02:12 - Running test #3 (Test 3 [Moving inversions, ones & zeroes])  
2025-05-25 03:02:12 - MtSupportRunAllTests - Setting random seed to 0x3055125E  
2025-05-25 03:02:12 - MtSupportRunAllTests - Start time: 6445813 ms  
2025-05-25 03:02:12 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:02:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:02:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:02:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:02:52 - DIMM0 temperature: 42.500C  
2025-05-25 03:02:52 - DIMM1 temperature: 43.500C  
2025-05-25 03:02:52 - Current CPU temperature: 84C  
2025-05-25 03:02:57 - MtSupportRunAllTests - Test execution time: 44.726s (Test

3 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:02:57 - Running test #4 (Test 4 [Moving inversions, 8-bit pattern])  
2025-05-25 03:02:57 - MtSupportRunAllTests - Setting random seed to 0xCFB831C4  
2025-05-25 03:02:57 - MtSupportRunAllTests - Start time: 6490595 ms  
2025-05-25 03:02:57 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:03:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:03:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:03:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:03:52 - DIMM0 temperature: 44.750C  
2025-05-25 03:03:52 - DIMM1 temperature: 45.500C  
2025-05-25 03:03:52 - Current CPU temperature: 86C  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:04:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:04:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:04:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:04:52 - DIMM0 temperature: 46.250C  
2025-05-25 03:04:52 - DIMM1 temperature: 47.250C  
2025-05-25 03:04:52 - Current CPU temperature: 86C  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:05:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:05:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:05:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:05:52 - DIMM0 temperature: 47.750C  
2025-05-25 03:05:52 - DIMM1 temperature: 48.500C  
2025-05-25 03:05:52 - Current CPU temperature: 87C  
2025-05-25 03:05:56 - MtSupportRunAllTests - Test execution time: 178.822s (Test 4 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:05:56 - Running test #5 (Test 5 [Moving inversions, random

pattern])

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2025-05-25 03:05:56 - MtSupportRunAllTests - Setting random seed to 0x14ADE36A
2025-05-25 03:05:56 - MtSupportRunAllTests - Start time: 6669476 ms
2025-05-25 03:05:56 - Start memory range test (0x0 - 0x83000000)
2025-05-25 03:06:52 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 03:06:52 - poll_timings_ryzen - [MC0] DebugMisc=000000F8
2025-05-25 03:06:54 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 03:06:54 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 03:06:54 - poll_timings_ryzen - [MC0] 16-20-20-38
2025-05-25 03:06:54 - poll_timings_ryzen - [MC1] DramConfiguration=00001936
2025-05-25 03:06:54 - poll_timings_ryzen - [MC1] DebugMisc=000000F8
2025-05-25 03:06:54 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING1=14142610
2025-05-25 03:06:54 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING2=00140055
2025-05-25 03:06:54 - poll_timings_ryzen - [MC1] 16-20-20-38
2025-05-25 03:06:54 - get_mem_ctrl_timings - [0-24-2] 3600 MT/s (16-20-20-38)
2025-05-25 03:06:54 - Current mem timings: 3600 MT/s (16-20-20-38)
2025-05-25 03:06:54 - DIMM0 temperature: 48.750C
2025-05-25 03:06:54 - DIMM1 temperature: 49.750C
2025-05-25 03:06:54 - Current CPU temperature: 85C
2025-05-25 03:07:52 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 03:07:52 - poll_timings_ryzen - [MC0] DebugMisc=00000038
2025-05-25 03:07:52 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 03:07:52 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 03:07:52 - poll_timings_ryzen - [MC0] 16-20-20-38
2025-05-25 03:07:52 - poll_timings_ryzen - [MC1] DramConfiguration=00001936
2025-05-25 03:07:52 - poll_timings_ryzen - [MC1] DebugMisc=00000038
2025-05-25 03:07:52 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING1=14142610
2025-05-25 03:07:52 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING2=00140055
2025-05-25 03:07:52 - poll_timings_ryzen - [MC1] 16-20-20-38
2025-05-25 03:07:52 - get_mem_ctrl_timings - [0-24-2] 3600 MT/s (16-20-20-38)
2025-05-25 03:07:52 - Current mem timings: 3600 MT/s (16-20-20-38)
2025-05-25 03:07:52 - DIMM0 temperature: 49.500C
2025-05-25 03:07:52 - DIMM1 temperature: 50.500C
2025-05-25 03:07:52 - Current CPU temperature: 88C
2025-05-25 03:08:52 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 03:08:52 - poll_timings_ryzen - [MC0] DebugMisc=00000038
2025-05-25 03:08:52 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 03:08:52 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 03:08:52 - poll_timings_ryzen - [MC0] 16-20-20-38
2025-05-25 03:08:52 - poll_timings_ryzen - [MC1] DramConfiguration=00001936
2025-05-25 03:08:52 - poll_timings_ryzen - [MC1] DebugMisc=00000038
2025-05-25 03:08:52 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING1=14142610
2025-05-25 03:08:52 - poll_timings_ryzen - [MC1] UMC_DRAMTIMING2=00140055
2025-05-25 03:08:52 - poll_timings_ryzen - [MC1] 16-20-20-38
2025-05-25 03:08:52 - get_mem_ctrl_timings - [0-24-2] 3600 MT/s (16-20-20-38)
2025-05-25 03:08:52 - Current mem timings: 3600 MT/s (16-20-20-38)
2025-05-25 03:08:52 - DIMM0 temperature: 50.250C
2025-05-25 03:08:52 - DIMM1 temperature: 51.250C
2025-05-25 03:08:52 - Current CPU temperature: 88C
2025-05-25 03:09:52 - poll_timings_ryzen - [MC0] DramConfiguration=00001936
2025-05-25 03:09:52 - poll_timings_ryzen - [MC0] DebugMisc=00000038
2025-05-25 03:09:52 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING1=14142610
2025-05-25 03:09:52 - poll_timings_ryzen - [MC0] UMC_DRAMTIMING2=00140055
2025-05-25 03:09:52 - poll_timings_ryzen - [MC0] 16-20-20-38
```

2025-05-25 03:09:52 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:09:52 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:09:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:09:52 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:09:52 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:09:52 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:09:52 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:09:52 - DIMM0 temperature: 51.000C  
2025-05-25 03:09:52 - DIMM1 temperature: 51.750C  
2025-05-25 03:09:53 - Current CPU temperature: 89C  
2025-05-25 03:09:56 - MtSupportRunAllTests - Test execution time: 240.687s (Test  
5 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:09:56 - Running test #6 (Test 6 [Block move, 64-byte blocks])  
2025-05-25 03:09:57 - MtSupportRunAllTests - Setting random seed to 0x1607DA56  
2025-05-25 03:09:57 - MtSupportRunAllTests - Start time: 6910220 ms  
2025-05-25 03:09:57 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:10:52 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:10:52 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:10:52 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:10:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:10:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:10:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:10:53 - DIMM0 temperature: 49.750C  
2025-05-25 03:10:53 - DIMM1 temperature: 50.750C  
2025-05-25 03:10:53 - Current CPU temperature: 70C  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:11:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:11:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:11:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:11:53 - DIMM0 temperature: 49.000C  
2025-05-25 03:11:53 - DIMM1 temperature: 50.000C  
2025-05-25 03:11:53 - Current CPU temperature: 68C  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:12:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610

2025-05-25 03:12:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:12:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:12:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:12:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:12:54 - DIMM0 temperature: 48.250C  
2025-05-25 03:12:54 - DIMM1 temperature: 49.250C  
2025-05-25 03:12:54 - Current CPU temperature: 67C  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:13:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:13:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:13:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:13:53 - DIMM0 temperature: 47.750C  
2025-05-25 03:13:53 - DIMM1 temperature: 48.750C  
2025-05-25 03:13:53 - Current CPU temperature: 66C  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:14:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:14:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:14:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:14:53 - DIMM0 temperature: 47.250C  
2025-05-25 03:14:53 - DIMM1 temperature: 48.250C  
2025-05-25 03:14:53 - Current CPU temperature: 66C  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000078  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:15:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:15:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:15:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:15:53 - DIMM0 temperature: 47.000C  
2025-05-25 03:15:53 - DIMM1 temperature: 48.000C  
2025-05-25 03:15:53 - Current CPU temperature: 65C  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038

2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000078  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:16:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:16:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:16:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:16:53 - DIMM0 temperature: 46.750C  
2025-05-25 03:16:53 - DIMM1 temperature: 47.750C  
2025-05-25 03:16:53 - Current CPU temperature: 65C  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:17:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:17:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:17:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:17:53 - DIMM0 temperature: 46.500C  
2025-05-25 03:17:53 - DIMM1 temperature: 47.500C  
2025-05-25 03:17:53 - Current CPU temperature: 65C  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC1] DebugMisc=000000B8  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:18:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:18:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:18:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:18:53 - DIMM0 temperature: 46.500C  
2025-05-25 03:18:53 - DIMM1 temperature: 47.250C  
2025-05-25 03:18:53 - Current CPU temperature: 65C  
2025-05-25 03:18:58 - MtSupportRunAllTests - Test execution time: 541.649s (Test  
6 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:18:58 - Running test #7 (Test 7 [Moving inversions, 32-bit  
pattern])  
2025-05-25 03:18:58 - MtSupportRunAllTests - Setting random seed to 0x601F81A8  
2025-05-25 03:18:58 - MtSupportRunAllTests - Start time: 7451927 ms  
2025-05-25 03:19:00 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:19:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:19:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:19:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:19:53 - DIMM0 temperature: 47.750C  
2025-05-25 03:19:53 - DIMM1 temperature: 48.500C  
2025-05-25 03:19:54 - Current CPU temperature: 87C  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:20:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:20:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:20:53 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:20:53 - DIMM0 temperature: 49.000C  
2025-05-25 03:20:54 - DIMM1 temperature: 49.500C  
2025-05-25 03:20:54 - Current CPU temperature: 88C  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:21:53 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:21:53 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:21:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:21:54 - DIMM0 temperature: 49.750C  
2025-05-25 03:21:54 - DIMM1 temperature: 50.500C  
2025-05-25 03:21:54 - Current CPU temperature: 89C  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:22:53 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:22:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:22:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:22:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:22:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:22:54 - DIMM0 temperature: 50.500C

2025-05-25 03:22:54 - DIMM1 temperature: 51.250C  
2025-05-25 03:22:54 - Current CPU temperature: 89C  
2025-05-25 03:23:53 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:23:53 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:23:53 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:23:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:23:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:23:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:23:54 - DIMM0 temperature: 51.000C  
2025-05-25 03:23:54 - DIMM1 temperature: 51.750C  
2025-05-25 03:23:54 - Current CPU temperature: 90C  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:24:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:24:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:24:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:24:54 - DIMM0 temperature: 51.500C  
2025-05-25 03:24:54 - DIMM1 temperature: 52.250C  
2025-05-25 03:24:54 - Current CPU temperature: 90C  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:25:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:25:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:25:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:25:55 - DIMM0 temperature: 52.000C  
2025-05-25 03:25:55 - DIMM1 temperature: 52.750C  
2025-05-25 03:25:55 - Current CPU temperature: 88C  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038

2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:26:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:26:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:26:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:26:54 - DIMM0 temperature: 52.250C  
2025-05-25 03:26:54 - DIMM1 temperature: 53.000C  
2025-05-25 03:26:54 - Current CPU temperature: 90C  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:27:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:27:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:27:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:27:54 - DIMM0 temperature: 52.500C  
2025-05-25 03:27:54 - DIMM1 temperature: 53.250C  
2025-05-25 03:27:54 - Current CPU temperature: 90C  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:28:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:28:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:28:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:28:54 - DIMM0 temperature: 52.750C  
2025-05-25 03:28:54 - DIMM1 temperature: 53.500C  
2025-05-25 03:28:54 - Current CPU temperature: 90C  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:29:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:29:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:29:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:29:54 - DIMM0 temperature: 53.000C  
2025-05-25 03:29:54 - DIMM1 temperature: 53.750C  
2025-05-25 03:29:54 - Current CPU temperature: 90C  
2025-05-25 03:30:52 - MtSupportRunAllTests - Test execution time: 712.439s (Test

7 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:30:52 - Running test #8 (Test 8 [Random number sequence])  
2025-05-25 03:30:52 - MtSupportRunAllTests - Setting random seed to 0x0C80FF98  
2025-05-25 03:30:52 - MtSupportRunAllTests - Start time: 8165862 ms  
2025-05-25 03:30:52 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:30:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:30:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:30:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:30:54 - DIMM0 temperature: 53.000C  
2025-05-25 03:30:54 - DIMM1 temperature: 54.000C  
2025-05-25 03:30:54 - Current CPU temperature: 90C  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:31:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:31:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:31:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:31:54 - DIMM0 temperature: 52.250C  
2025-05-25 03:31:54 - DIMM1 temperature: 53.250C  
2025-05-25 03:31:54 - Current CPU temperature: 90C  
2025-05-25 03:32:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:32:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:32:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:32:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:32:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:32:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:32:56 - DIMM0 temperature: 51.750C  
2025-05-25 03:32:56 - DIMM1 temperature: 52.750C  
2025-05-25 03:32:56 - Current CPU temperature: 87C  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:33:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:33:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:33:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:33:54 - DIMM0 temperature: 51.500C  
2025-05-25 03:33:54 - DIMM1 temperature: 52.500C  
2025-05-25 03:33:54 - Current CPU temperature: 90C  
2025-05-25 03:34:29 - MtSupportRunAllTests - Test execution time: 216.343s (Test  
8 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:34:29 - Running test #9 (Test 9 [Modulo 20, random pattern])  
2025-05-25 03:34:29 - MtSupportRunAllTests - Setting random seed to 0x83BAB1C8  
2025-05-25 03:34:29 - MtSupportRunAllTests - Start time: 8382262 ms  
2025-05-25 03:34:29 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:34:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:34:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:34:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:34:54 - DIMM0 temperature: 51.500C  
2025-05-25 03:34:54 - DIMM1 temperature: 52.500C  
2025-05-25 03:34:54 - Current CPU temperature: 85C  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC0] DebugMisc=000000B8  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:35:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:35:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:35:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:35:54 - DIMM0 temperature: 52.000C  
2025-05-25 03:35:54 - DIMM1 temperature: 53.000C  
2025-05-25 03:35:54 - Current CPU temperature: 85C  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038

2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:36:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:36:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:36:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:36:54 - DIMM0 temperature: 52.500C  
2025-05-25 03:36:54 - DIMM1 temperature: 53.250C  
2025-05-25 03:36:54 - Current CPU temperature: 85C  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:37:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:37:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:37:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:37:54 - DIMM0 temperature: 52.750C  
2025-05-25 03:37:54 - DIMM1 temperature: 53.500C  
2025-05-25 03:37:54 - Current CPU temperature: 85C  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:38:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:38:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:38:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:38:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:38:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:38:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:38:56 - DIMM0 temperature: 52.750C  
2025-05-25 03:38:56 - DIMM1 temperature: 53.750C  
2025-05-25 03:38:56 - Current CPU temperature: 85C  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:39:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:39:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:39:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:39:54 - DIMM0 temperature: 53.000C  
2025-05-25 03:39:54 - DIMM1 temperature: 53.750C  
2025-05-25 03:39:54 - Current CPU temperature: 85C  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:40:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:40:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:40:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:40:54 - DIMM0 temperature: 53.250C  
2025-05-25 03:40:54 - DIMM1 temperature: 54.000C  
2025-05-25 03:40:54 - Current CPU temperature: 84C  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:41:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:41:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:41:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:41:54 - DIMM0 temperature: 53.250C  
2025-05-25 03:41:54 - DIMM1 temperature: 54.000C  
2025-05-25 03:41:54 - Current CPU temperature: 84C  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:42:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:42:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:42:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:42:54 - DIMM0 temperature: 53.500C  
2025-05-25 03:42:54 - DIMM1 temperature: 54.250C  
2025-05-25 03:42:54 - Current CPU temperature: 84C  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:43:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38

2025-05-25 03:43:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:43:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:43:54 - DIMM0 temperature: 53.500C  
2025-05-25 03:43:54 - DIMM1 temperature: 54.250C  
2025-05-25 03:43:54 - Current CPU temperature: 84C  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:44:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:44:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:44:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:44:54 - DIMM0 temperature: 53.500C  
2025-05-25 03:44:54 - DIMM1 temperature: 54.250C  
2025-05-25 03:44:54 - Current CPU temperature: 84C  
2025-05-25 03:45:33 - MtSupportRunAllTests - Test execution time: 664.766s (Test 9 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:45:33 - Running test #10 (Test 10 [Bit fade test, 2 patterns, 1 CPU])  
2025-05-25 03:45:33 - MtSupportRunAllTests - Setting random seed to 0xBBFBF4FE  
2025-05-25 03:45:35 - MtSupportRunAllTests - Start time: 9048528 ms  
2025-05-25 03:45:35 - Start bit fade test (0x0 - 0x83000000)  
2025-05-25 03:45:35 - Starting Stage 0, Pattern=00000000  
2025-05-25 03:45:37 - Finished Stage 0, Pattern=00000000  
2025-05-25 03:45:37 - Sleep start time: 9050799  
2025-05-25 03:45:37 - Sleep time: 300000  
2025-05-25 03:45:37 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:45:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:45:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:45:54 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:45:54 - DIMM0 temperature: 52.250C  
2025-05-25 03:45:54 - DIMM1 temperature: 53.000C  
2025-05-25 03:45:54 - Current CPU temperature: 68C  
2025-05-25 03:46:08 - Slept for 30 seconds  
2025-05-25 03:46:38 - Slept for 60 seconds  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38

2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:46:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:46:54 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:46:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:46:55 - DIMM0 temperature: 49.500C  
2025-05-25 03:46:55 - DIMM1 temperature: 50.500C  
2025-05-25 03:46:55 - Current CPU temperature: 63C  
2025-05-25 03:47:08 - Slept for 90 seconds  
2025-05-25 03:47:38 - Slept for 120 seconds  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:47:54 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:47:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:47:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:47:55 - DIMM0 temperature: 47.500C  
2025-05-25 03:47:55 - DIMM1 temperature: 48.500C  
2025-05-25 03:47:55 - Current CPU temperature: 62C  
2025-05-25 03:48:08 - Slept for 151 seconds  
2025-05-25 03:48:38 - Slept for 181 seconds  
2025-05-25 03:48:54 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:48:54 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:48:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:48:54 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:48:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:48:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:48:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:48:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:48:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:48:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:48:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:48:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:48:55 - DIMM0 temperature: 46.000C  
2025-05-25 03:48:55 - DIMM1 temperature: 47.000C  
2025-05-25 03:48:55 - Current CPU temperature: 61C  
2025-05-25 03:49:09 - Slept for 211 seconds  
2025-05-25 03:49:39 - Slept for 241 seconds  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610

2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:49:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:49:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:49:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:49:55 - DIMM0 temperature: 44.500C  
2025-05-25 03:49:55 - DIMM1 temperature: 45.750C  
2025-05-25 03:49:55 - Current CPU temperature: 60C  
2025-05-25 03:50:09 - Slept for 271 seconds  
2025-05-25 03:50:37 - Starting Stage 1, Pattern=00000000  
2025-05-25 03:50:41 - Finished Stage 1, Pattern=00000000  
2025-05-25 03:50:41 - Starting Stage 0, Pattern=FFFFFFFF  
2025-05-25 03:50:43 - Finished Stage 0, Pattern=FFFFFFFF  
2025-05-25 03:50:44 - Sleep start time: 9357122  
2025-05-25 03:50:44 - Sleep time: 300000  
2025-05-25 03:50:44 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 03:50:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:50:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:50:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:50:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:50:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:50:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:50:56 - DIMM0 temperature: 43.750C  
2025-05-25 03:50:56 - DIMM1 temperature: 44.750C  
2025-05-25 03:50:56 - Current CPU temperature: 66C  
2025-05-25 03:51:15 - Slept for 31 seconds  
2025-05-25 03:51:45 - Slept for 61 seconds  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:51:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:51:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:51:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:51:55 - DIMM0 temperature: 42.750C  
2025-05-25 03:51:55 - DIMM1 temperature: 44.000C  
2025-05-25 03:51:55 - Current CPU temperature: 60C  
2025-05-25 03:52:16 - Slept for 92 seconds  
2025-05-25 03:52:46 - Slept for 122 seconds  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38

2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:52:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:52:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:52:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:52:55 - DIMM0 temperature: 42.000C  
2025-05-25 03:52:55 - DIMM1 temperature: 43.250C  
2025-05-25 03:52:55 - Current CPU temperature: 59C  
2025-05-25 03:53:16 - Slept for 152 seconds  
2025-05-25 03:53:46 - Slept for 182 seconds  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:53:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:53:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:53:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:53:55 - DIMM0 temperature: 41.500C  
2025-05-25 03:53:55 - DIMM1 temperature: 42.500C  
2025-05-25 03:53:55 - Current CPU temperature: 59C  
2025-05-25 03:54:17 - Slept for 213 seconds  
2025-05-25 03:54:47 - Slept for 243 seconds  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:54:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:54:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:54:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:54:55 - DIMM0 temperature: 41.000C  
2025-05-25 03:54:55 - DIMM1 temperature: 42.250C  
2025-05-25 03:54:55 - Current CPU temperature: 59C  
2025-05-25 03:55:17 - Slept for 273 seconds  
2025-05-25 03:55:44 - Starting Stage 1, Pattern=FFFFFFFF  
2025-05-25 03:55:48 - Finished Stage 1, Pattern=FFFFFFFF  
2025-05-25 03:55:48 - MtSupportRunAllTests - Test execution time: 612.720s (Test  
10 cumulative error count: 0, buffer full count: 0)  
2025-05-25 03:55:48 - Running test #13 (Test 13 [Hammer test])  
2025-05-25 03:55:48 - MtSupportRunAllTests - Setting random seed to 0x2E69BBD0  
2025-05-25 03:55:48 - MtSupportRunAllTests - Start time: 9661304 ms  
2025-05-25 03:55:48 - Start double-sided hammer test (0x0 - 0x83000000, Step  
size: 0x1000000)

2025-05-25 03:55:48 - Using random pattern  
2025-05-25 03:55:48 - # of segments to hammer: 15 (SegSize=2048MB, SkipSize=0MB)  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:55:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:55:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:55:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:55:56 - DIMM0 temperature: 40.750C  
2025-05-25 03:55:56 - DIMM1 temperature: 42.000C  
2025-05-25 03:55:57 - Current CPU temperature: 78C  
2025-05-25 03:56:45 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0xB020000 - 0x8B020000]  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:56:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:56:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:56:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:56:55 - DIMM0 temperature: 40.750C  
2025-05-25 03:56:55 - DIMM1 temperature: 42.000C  
2025-05-25 03:56:55 - Current CPU temperature: 84C  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:57:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:57:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:57:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:57:55 - DIMM0 temperature: 40.750C  
2025-05-25 03:57:55 - DIMM1 temperature: 42.000C  
2025-05-25 03:57:55 - Current CPU temperature: 85C  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38

2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:58:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:58:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:58:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:58:55 - DIMM0 temperature: 40.750C  
2025-05-25 03:58:55 - DIMM1 temperature: 42.000C  
2025-05-25 03:58:55 - Current CPU temperature: 85C  
2025-05-25 03:59:27 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x100000000 - 0x180000000]  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 03:59:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 03:59:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 03:59:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 03:59:55 - DIMM0 temperature: 40.750C  
2025-05-25 03:59:55 - DIMM1 temperature: 41.750C  
2025-05-25 03:59:55 - Current CPU temperature: 84C  
2025-05-25 04:00:10 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x180000000 - 0x200000000]  
2025-05-25 04:00:53 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x200000000 - 0x280000000]  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000B8  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:00:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:00:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:00:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:00:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:00:55 - DIMM1 temperature: 42.000C  
2025-05-25 04:00:55 - Current CPU temperature: 77C  
2025-05-25 04:01:35 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x280000000 - 0x300000000]  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936

2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:01:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:01:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:01:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:01:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:01:55 - DIMM1 temperature: 42.000C  
2025-05-25 04:01:55 - Current CPU temperature: 85C  
2025-05-25 04:02:18 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x300000000 - 0x380000000]  
2025-05-25 04:02:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:02:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:02:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:02:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:02:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:02:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:02:56 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:02:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:02:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:02:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:02:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:02:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:02:57 - DIMM0 temperature: 40.750C  
2025-05-25 04:02:57 - DIMM1 temperature: 42.000C  
2025-05-25 04:02:57 - Current CPU temperature: 79C  
2025-05-25 04:03:02 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x380000000 - 0x400000000]  
2025-05-25 04:03:44 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x400000000 - 0x480000000]  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:03:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:03:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:03:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:03:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:03:55 - DIMM1 temperature: 42.000C  
2025-05-25 04:03:55 - Current CPU temperature: 85C  
2025-05-25 04:04:27 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x480000000 - 0x500000000]  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8

2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:04:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:04:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:04:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:04:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:04:55 - DIMM1 temperature: 41.750C  
2025-05-25 04:04:55 - Current CPU temperature: 84C  
2025-05-25 04:05:10 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x500000000 - 0x580000000]  
2025-05-25 04:05:52 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x580000000 - 0x600000000]  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:05:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:05:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:05:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:05:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:05:55 - DIMM1 temperature: 41.750C  
2025-05-25 04:05:55 - Current CPU temperature: 76C  
2025-05-25 04:06:35 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x600000000 - 0x680000000]  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:06:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:06:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:06:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:06:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:06:55 - DIMM1 temperature: 41.750C  
2025-05-25 04:06:55 - Current CPU temperature: 85C  
2025-05-25 04:07:17 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x680000000 - 0x700000000]  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610

2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:07:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:07:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:07:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:07:55 - DIMM0 temperature: 40.750C  
2025-05-25 04:07:55 - DIMM1 temperature: 41.750C  
2025-05-25 04:07:55 - Current CPU temperature: 82C  
2025-05-25 04:08:00 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x700000000 - 0x780000000]  
2025-05-25 04:08:43 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x780000000 - 0x800000000]  
2025-05-25 04:08:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:08:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:08:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:08:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:08:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:08:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:08:57 - DIMM0 temperature: 40.750C  
2025-05-25 04:08:57 - DIMM1 temperature: 41.750C  
2025-05-25 04:08:57 - Current CPU temperature: 81C  
2025-05-25 04:09:54 - MtSupportRunAllTests - Test execution time: 845.862s (Test  
13 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:09:54 - Finished pass #3 (of 4) (Cumulative error count: 0, buffer  
full count: 0)  
2025-05-25 04:09:54 - Starting pass #4 (of 4)  
2025-05-25 04:09:54 - Running test #0 (Test 0 [Address test, walking ones, 1  
CPU])  
2025-05-25 04:09:54 - MtSupportRunAllTests - Setting random seed to 0xA836C11A  
2025-05-25 04:09:54 - MtSupportRunAllTests - Start time: 10507253 ms  
2025-05-25 04:09:54 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:09:55 - MtSupportRunAllTests - Test execution time: 0.809s (Test 0  
cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:09:55 - Running test #1 (Test 1 [Address test, own address, 1  
CPU])  
2025-05-25 04:09:55 - MtSupportRunAllTests - Setting random seed to 0x6BCE887C  
2025-05-25 04:09:55 - MtSupportRunAllTests - Start time: 10508119 ms  
2025-05-25 04:09:55 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:09:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:09:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)

2025-05-25 04:09:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:09:55 - DIMM0 temperature: 40.500C  
2025-05-25 04:09:55 - DIMM1 temperature: 41.750C  
2025-05-25 04:09:55 - Current CPU temperature: 83C  
2025-05-25 04:10:00 - MtSupportRunAllTests - Test execution time: 5.424s (Test 1 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:10:00 - Running test #2 (Test 2 [Address test, own address])  
2025-05-25 04:10:00 - MtSupportRunAllTests - Setting random seed to 0x46ED24E0  
2025-05-25 04:10:00 - MtSupportRunAllTests - Start time: 10513605 ms  
2025-05-25 04:10:00 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:10:07 - MtSupportRunAllTests - Test execution time: 6.626s (Test 2 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:10:07 - Running test #3 (Test 3 [Moving inversions, ones & zeroes])  
2025-05-25 04:10:07 - MtSupportRunAllTests - Setting random seed to 0x30C2307E  
2025-05-25 04:10:07 - MtSupportRunAllTests - Start time: 10520300 ms  
2025-05-25 04:10:07 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:10:51 - MtSupportRunAllTests - Test execution time: 44.627s (Test 3 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:10:51 - Running test #4 (Test 4 [Moving inversions, 8-bit pattern])  
2025-05-25 04:10:51 - MtSupportRunAllTests - Setting random seed to 0xBBF40B42  
2025-05-25 04:10:51 - MtSupportRunAllTests - Start time: 10564981 ms  
2025-05-25 04:10:51 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:10:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:10:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:10:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:10:55 - DIMM0 temperature: 43.000C  
2025-05-25 04:10:55 - DIMM1 temperature: 44.000C  
2025-05-25 04:10:55 - Current CPU temperature: 85C  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:11:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:11:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:11:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:11:55 - DIMM0 temperature: 45.000C  
2025-05-25 04:11:55 - DIMM1 temperature: 46.000C  
2025-05-25 04:11:55 - Current CPU temperature: 86C

2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:12:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:12:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:12:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:12:55 - DIMM0 temperature: 46.750C  
2025-05-25 04:12:55 - DIMM1 temperature: 47.500C  
2025-05-25 04:12:55 - Current CPU temperature: 86C  
2025-05-25 04:13:50 - MtSupportRunAllTests - Test execution time: 178.810s (Test  
4 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:13:50 - Running test #5 (Test 5 [Moving inversions, random  
pattern])  
2025-05-25 04:13:52 - MtSupportRunAllTests - Setting random seed to 0x43039EAA  
2025-05-25 04:13:52 - MtSupportRunAllTests - Start time: 10745283 ms  
2025-05-25 04:13:52 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:13:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:13:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:13:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:13:55 - DIMM0 temperature: 48.000C  
2025-05-25 04:13:55 - DIMM1 temperature: 48.750C  
2025-05-25 04:13:56 - Current CPU temperature: 86C  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:14:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:14:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:14:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:14:55 - DIMM0 temperature: 49.000C  
2025-05-25 04:14:55 - DIMM1 temperature: 50.000C  
2025-05-25 04:14:56 - Current CPU temperature: 88C  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038

2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:15:55 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:15:55 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:15:55 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:15:56 - DIMM0 temperature: 50.000C  
2025-05-25 04:15:56 - DIMM1 temperature: 50.750C  
2025-05-25 04:15:56 - Current CPU temperature: 88C  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:16:55 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:16:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:16:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:16:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:16:56 - DIMM0 temperature: 50.500C  
2025-05-25 04:16:56 - DIMM1 temperature: 51.500C  
2025-05-25 04:16:56 - Current CPU temperature: 89C  
2025-05-25 04:17:51 - MtSupportRunAllTests - Test execution time: 239.066s (Test  
5 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:17:51 - Running test #6 (Test 6 [Block move, 64-byte blocks])  
2025-05-25 04:17:51 - MtSupportRunAllTests - Setting random seed to 0xD803813C  
2025-05-25 04:17:51 - MtSupportRunAllTests - Start time: 10984420 ms  
2025-05-25 04:17:51 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 04:17:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:17:55 - poll\_timings\_ryzen - [MC0] DebugMisc=000000B8  
2025-05-25 04:17:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:17:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:17:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:17:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:17:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:17:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:17:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:17:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:17:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:17:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:17:56 - DIMM0 temperature: 51.000C  
2025-05-25 04:17:56 - DIMM1 temperature: 52.000C  
2025-05-25 04:17:56 - Current CPU temperature: 83C  
2025-05-25 04:18:55 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:18:55 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:18:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:18:55 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:18:55 - poll\_timings\_ryzen - [MC0] 16-20-20-38

2025-05-25 04:18:55 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:18:56 - poll\_timings\_ryzen - [MC1] DebugMisc=000000B8  
2025-05-25 04:18:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:18:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:18:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:18:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:18:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:18:56 - DIMM0 temperature: 49.750C  
2025-05-25 04:18:56 - DIMM1 temperature: 50.750C  
2025-05-25 04:18:56 - Current CPU temperature: 69C  
2025-05-25 04:19:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:19:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:19:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:19:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:19:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:19:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:19:57 - DIMM0 temperature: 49.000C  
2025-05-25 04:19:57 - DIMM1 temperature: 50.000C  
2025-05-25 04:19:57 - Current CPU temperature: 68C  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:20:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:20:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:20:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:20:56 - DIMM0 temperature: 48.250C  
2025-05-25 04:20:56 - DIMM1 temperature: 49.250C  
2025-05-25 04:20:56 - Current CPU temperature: 67C  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:21:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:21:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:21:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:21:56 - DIMM0 temperature: 47.750C  
2025-05-25 04:21:56 - DIMM1 temperature: 48.750C

2025-05-25 04:21:56 - Current CPU temperature: 66C  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC1] DebugMisc=000000B8  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:22:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:22:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:22:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:22:56 - DIMM0 temperature: 47.500C  
2025-05-25 04:22:56 - DIMM1 temperature: 48.250C  
2025-05-25 04:22:56 - Current CPU temperature: 66C  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC0] DebugMisc=000000B8  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:23:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:23:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:23:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:23:56 - DIMM0 temperature: 47.250C  
2025-05-25 04:23:56 - DIMM1 temperature: 48.000C  
2025-05-25 04:23:56 - Current CPU temperature: 66C  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:24:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:24:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:24:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:24:56 - DIMM0 temperature: 47.000C  
2025-05-25 04:24:56 - DIMM1 temperature: 47.750C  
2025-05-25 04:24:56 - Current CPU temperature: 65C  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610

2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:25:56 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:25:56 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:25:56 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:25:56 - DIMM0 temperature: 46.750C  
2025-05-25 04:25:56 - DIMM1 temperature: 47.500C  
2025-05-25 04:25:58 - Current CPU temperature: 65C  
2025-05-25 04:26:53 - MtSupportRunAllTests - Test execution time: 541.837s (Test  
6 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:26:53 - Running test #7 (Test 7 [Moving inversions, 32-bit  
pattern])  
2025-05-25 04:26:53 - MtSupportRunAllTests - Setting random seed to 0x4BB5BB50  
2025-05-25 04:26:53 - MtSupportRunAllTests - Start time: 11526310 ms  
2025-05-25 04:26:53 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:26:56 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:26:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:26:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:26:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:26:57 - DIMM0 temperature: 46.750C  
2025-05-25 04:26:57 - DIMM1 temperature: 47.500C  
2025-05-25 04:26:57 - Current CPU temperature: 83C  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:27:56 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:27:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:27:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:27:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:27:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:27:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:27:57 - DIMM0 temperature: 48.250C  
2025-05-25 04:27:57 - DIMM1 temperature: 49.000C  
2025-05-25 04:27:57 - Current CPU temperature: 88C  
2025-05-25 04:28:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:28:56 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:28:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38

2025-05-25 04:28:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:28:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:28:57 - DIMM0 temperature: 49.250C  
2025-05-25 04:28:57 - DIMM1 temperature: 50.000C  
2025-05-25 04:28:57 - Current CPU temperature: 88C  
2025-05-25 04:29:56 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:29:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:29:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:29:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:29:57 - DIMM0 temperature: 50.000C  
2025-05-25 04:29:57 - DIMM1 temperature: 50.750C  
2025-05-25 04:29:57 - Current CPU temperature: 89C  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:30:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:30:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:30:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:30:57 - DIMM0 temperature: 50.750C  
2025-05-25 04:30:57 - DIMM1 temperature: 51.500C  
2025-05-25 04:30:57 - Current CPU temperature: 89C  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:31:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:31:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:31:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:31:57 - DIMM0 temperature: 51.250C  
2025-05-25 04:31:57 - DIMM1 temperature: 52.000C  
2025-05-25 04:31:57 - Current CPU temperature: 90C  
2025-05-25 04:32:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:32:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:32:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:32:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 04:32:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:32:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:32:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:32:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:32:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:32:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:32:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:32:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:32:58 - DIMM0 temperature: 51.750C  
2025-05-25 04:32:58 - DIMM1 temperature: 52.500C  
2025-05-25 04:32:58 - Current CPU temperature: 90C  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:33:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:33:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:33:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:33:57 - DIMM0 temperature: 52.000C  
2025-05-25 04:33:57 - DIMM1 temperature: 52.750C  
2025-05-25 04:33:57 - Current CPU temperature: 90C  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:34:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:34:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:34:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:34:57 - DIMM0 temperature: 52.500C  
2025-05-25 04:34:57 - DIMM1 temperature: 53.250C  
2025-05-25 04:34:57 - Current CPU temperature: 90C  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:35:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:35:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:35:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:35:57 - DIMM0 temperature: 52.750C

2025-05-25 04:35:57 - DIMM1 temperature: 53.500C  
2025-05-25 04:35:57 - Current CPU temperature: 90C  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:36:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:36:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:36:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:36:57 - DIMM0 temperature: 53.000C  
2025-05-25 04:36:57 - DIMM1 temperature: 53.750C  
2025-05-25 04:36:57 - Current CPU temperature: 90C  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:37:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:37:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:37:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:37:57 - DIMM0 temperature: 53.250C  
2025-05-25 04:37:57 - DIMM1 temperature: 54.000C  
2025-05-25 04:37:57 - Current CPU temperature: 90C  
2025-05-25 04:38:45 - MtSupportRunAllTests - Test execution time: 711.844s (Test 7 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:38:45 - Running test #8 (Test 8 [Random number sequence])  
2025-05-25 04:38:45 - MtSupportRunAllTests - Setting random seed to 0x2B385FEE  
2025-05-25 04:38:45 - MtSupportRunAllTests - Start time: 12238210 ms  
2025-05-25 04:38:45 - Start memory range test (0x0 - 0x83000000)  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:38:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:38:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:38:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:38:57 - DIMM0 temperature: 53.000C  
2025-05-25 04:38:57 - DIMM1 temperature: 53.750C  
2025-05-25 04:38:57 - Current CPU temperature: 90C  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936

2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:39:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:39:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:39:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:39:57 - DIMM0 temperature: 52.250C  
2025-05-25 04:39:57 - DIMM1 temperature: 53.250C  
2025-05-25 04:39:57 - Current CPU temperature: 90C  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:40:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:40:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:40:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:40:57 - DIMM0 temperature: 52.000C  
2025-05-25 04:40:57 - DIMM1 temperature: 52.750C  
2025-05-25 04:40:58 - Current CPU temperature: 90C  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:41:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:41:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:41:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:41:58 - DIMM0 temperature: 51.500C  
2025-05-25 04:41:58 - DIMM1 temperature: 52.500C  
2025-05-25 04:41:58 - Current CPU temperature: 90C  
2025-05-25 04:42:20 - MtSupportRunAllTests - Test execution time: 215.381s (Test  
8 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:42:20 - Running test #9 (Test 9 [Modulo 20, random pattern])  
2025-05-25 04:42:20 - MtSupportRunAllTests - Setting random seed to 0xCAC89296  
2025-05-25 04:42:20 - MtSupportRunAllTests - Start time: 12453658 ms  
2025-05-25 04:42:20 - Start memory range test (0x0 - 0x830000000)  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055

2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:42:57 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:42:57 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:42:57 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:42:58 - DIMM0 temperature: 52.000C  
2025-05-25 04:42:58 - DIMM1 temperature: 52.750C  
2025-05-25 04:42:58 - Current CPU temperature: 86C  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:43:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:43:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:43:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:43:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:43:58 - DIMM0 temperature: 52.250C  
2025-05-25 04:43:58 - DIMM1 temperature: 53.250C  
2025-05-25 04:43:58 - Current CPU temperature: 85C  
2025-05-25 04:44:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:44:59 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:44:59 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:44:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:44:59 - DIMM0 temperature: 52.500C  
2025-05-25 04:44:59 - DIMM1 temperature: 53.500C  
2025-05-25 04:44:59 - Current CPU temperature: 86C  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:45:57 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:45:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:45:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:45:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:45:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:45:58 - DIMM0 temperature: 52.750C

2025-05-25 04:45:58 - DIMM1 temperature: 53.750C  
2025-05-25 04:45:58 - Current CPU temperature: 85C  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:46:57 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:46:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:46:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:46:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:46:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:46:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:46:58 - DIMM0 temperature: 53.000C  
2025-05-25 04:46:58 - DIMM1 temperature: 53.750C  
2025-05-25 04:46:58 - Current CPU temperature: 85C  
2025-05-25 04:47:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:47:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:47:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:47:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:47:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:47:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:47:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:47:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:47:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:47:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:47:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:47:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:47:58 - DIMM0 temperature: 53.250C  
2025-05-25 04:47:58 - DIMM1 temperature: 54.000C  
2025-05-25 04:47:58 - Current CPU temperature: 85C  
2025-05-25 04:48:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:48:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:48:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:48:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:48:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:48:57 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:48:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:48:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:48:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:48:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:48:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:48:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:48:58 - DIMM0 temperature: 53.250C  
2025-05-25 04:48:58 - DIMM1 temperature: 54.000C  
2025-05-25 04:48:58 - Current CPU temperature: 85C  
2025-05-25 04:49:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:49:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:49:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:49:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:49:57 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:49:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:49:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038

2025-05-25 04:49:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:49:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:49:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:49:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:49:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:49:58 - DIMM0 temperature: 53.500C  
2025-05-25 04:49:58 - DIMM1 temperature: 54.250C  
2025-05-25 04:49:58 - Current CPU temperature: 85C  
2025-05-25 04:50:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:50:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:50:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:50:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:50:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:50:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:50:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:50:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:50:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:50:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:50:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:50:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:50:59 - DIMM0 temperature: 53.500C  
2025-05-25 04:50:59 - DIMM1 temperature: 54.250C  
2025-05-25 04:50:59 - Current CPU temperature: 85C  
2025-05-25 04:51:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:51:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:51:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:51:57 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:51:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:51:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:51:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:51:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:51:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:51:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:51:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:51:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:51:58 - DIMM0 temperature: 53.750C  
2025-05-25 04:51:58 - DIMM1 temperature: 54.500C  
2025-05-25 04:51:58 - Current CPU temperature: 85C  
2025-05-25 04:52:57 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:52:57 - poll\_timings\_ryzen - [MC0] DebugMisc=00000038  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC1] DebugMisc=00000038  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:52:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:52:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:52:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:52:58 - DIMM0 temperature: 53.750C  
2025-05-25 04:52:58 - DIMM1 temperature: 54.500C  
2025-05-25 04:52:58 - Current CPU temperature: 85C  
2025-05-25 04:53:25 - MtSupportRunAllTests - Test execution time: 665.215s (Test

9 cumulative error count: 0, buffer full count: 0)  
2025-05-25 04:53:25 - Running test #10 (Test 10 [Bit fade test, 2 patterns, 1 CPU])  
2025-05-25 04:53:25 - MtSupportRunAllTests - Setting random seed to 0x68D8C7B8  
2025-05-25 04:53:25 - MtSupportRunAllTests - Start time: 13118930 ms  
2025-05-25 04:53:25 - Start bit fade test (0x0 - 0x830000000)  
2025-05-25 04:53:25 - Starting Stage 0, Pattern=00000000  
2025-05-25 04:53:28 - Finished Stage 0, Pattern=00000000  
2025-05-25 04:53:28 - Sleep start time: 13121209  
2025-05-25 04:53:28 - Sleep time: 300000  
2025-05-25 04:53:28 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:53:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:53:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:53:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:53:58 - DIMM0 temperature: 51.750C  
2025-05-25 04:53:58 - DIMM1 temperature: 52.750C  
2025-05-25 04:53:58 - Current CPU temperature: 65C  
2025-05-25 04:53:58 - Slept for 30 seconds  
2025-05-25 04:54:28 - Slept for 60 seconds  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:54:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:54:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:54:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:54:58 - DIMM0 temperature: 49.250C  
2025-05-25 04:54:58 - DIMM1 temperature: 50.250C  
2025-05-25 04:54:58 - Current CPU temperature: 63C  
2025-05-25 04:54:58 - Slept for 90 seconds  
2025-05-25 04:55:29 - Slept for 120 seconds  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055

2025-05-25 04:55:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:55:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:55:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:55:58 - DIMM0 temperature: 47.250C  
2025-05-25 04:55:58 - DIMM1 temperature: 48.250C  
2025-05-25 04:55:58 - Current CPU temperature: 62C  
2025-05-25 04:55:59 - Slept for 151 seconds  
2025-05-25 04:56:29 - Slept for 181 seconds  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:56:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:56:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:56:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:56:59 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:56:59 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:56:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:56:59 - DIMM0 temperature: 45.750C  
2025-05-25 04:56:59 - DIMM1 temperature: 46.750C  
2025-05-25 04:56:59 - Current CPU temperature: 61C  
2025-05-25 04:57:01 - Slept for 212 seconds  
2025-05-25 04:57:31 - Slept for 243 seconds  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:57:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:57:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:57:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:57:58 - DIMM0 temperature: 44.500C  
2025-05-25 04:57:58 - DIMM1 temperature: 45.500C  
2025-05-25 04:57:58 - Current CPU temperature: 61C  
2025-05-25 04:58:01 - Slept for 273 seconds  
2025-05-25 04:58:28 - Starting Stage 1, Pattern=00000000  
2025-05-25 04:58:32 - Finished Stage 1, Pattern=00000000  
2025-05-25 04:58:32 - Starting Stage 0, Pattern=FFFFFFFF  
2025-05-25 04:58:34 - Finished Stage 0, Pattern=FFFFFFFF  
2025-05-25 04:58:34 - Sleep start time: 13427578  
2025-05-25 04:58:34 - Sleep time: 300000  
2025-05-25 04:58:34 - Test 10 - Sleeping (299 seconds remaining)  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936

2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:58:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:58:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:58:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:58:58 - DIMM0 temperature: 43.750C  
2025-05-25 04:58:58 - DIMM1 temperature: 44.750C  
2025-05-25 04:58:58 - Current CPU temperature: 62C  
2025-05-25 04:59:04 - Slept for 30 seconds  
2025-05-25 04:59:35 - Slept for 60 seconds  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 04:59:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 04:59:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 04:59:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 04:59:58 - DIMM0 temperature: 42.750C  
2025-05-25 04:59:58 - DIMM1 temperature: 44.000C  
2025-05-25 04:59:58 - Current CPU temperature: 60C  
2025-05-25 05:00:05 - Slept for 90 seconds  
2025-05-25 05:00:35 - Slept for 120 seconds  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:00:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:00:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:00:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:00:58 - DIMM0 temperature: 42.000C  
2025-05-25 05:00:58 - DIMM1 temperature: 43.250C  
2025-05-25 05:00:58 - Current CPU temperature: 60C  
2025-05-25 05:01:05 - Slept for 151 seconds  
2025-05-25 05:01:35 - Slept for 181 seconds  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055

2025-05-25 05:01:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:01:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:01:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:01:58 - DIMM0 temperature: 41.500C  
2025-05-25 05:01:58 - DIMM1 temperature: 42.750C  
2025-05-25 05:01:58 - Current CPU temperature: 59C  
2025-05-25 05:02:06 - Slept for 211 seconds  
2025-05-25 05:02:36 - Slept for 241 seconds  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:02:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:02:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:02:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:02:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:02:58 - DIMM1 temperature: 42.250C  
2025-05-25 05:02:58 - Current CPU temperature: 59C  
2025-05-25 05:03:08 - Slept for 273 seconds  
2025-05-25 05:03:34 - Starting Stage 1, Pattern=FFFFFFFF  
2025-05-25 05:03:38 - Finished Stage 1, Pattern=FFFFFFFF  
2025-05-25 05:03:38 - MtSupportRunAllTests - Test execution time: 612.767s (Test  
10 cumulative error count: 0, buffer full count: 0)  
2025-05-25 05:03:38 - Running test #13 (Test 13 [Hammer test])  
2025-05-25 05:03:38 - MtSupportRunAllTests - Setting random seed to 0x9F164926  
2025-05-25 05:03:38 - MtSupportRunAllTests - Start time: 13731754 ms  
2025-05-25 05:03:38 - Start double-sided hammer test (0x0 - 0x83000000, Step  
size: 0x1000000)  
2025-05-25 05:03:38 - Using random pattern  
2025-05-25 05:03:38 - # of segments to hammer: 15 (SegSize=2048MB, SkipSize=0MB)  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:03:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:03:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:03:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:03:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:03:58 - DIMM1 temperature: 42.250C  
2025-05-25 05:03:58 - Current CPU temperature: 80C  
2025-05-25 05:04:34 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0xB020000 - 0x8B020000]  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8

2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:04:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:04:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:04:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:04:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:04:58 - DIMM1 temperature: 42.000C  
2025-05-25 05:04:58 - Current CPU temperature: 86C  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:05:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:05:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:05:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:05:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:05:58 - DIMM1 temperature: 42.000C  
2025-05-25 05:05:58 - Current CPU temperature: 83C  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:06:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:06:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:06:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:06:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:06:58 - DIMM1 temperature: 42.000C  
2025-05-25 05:06:58 - Current CPU temperature: 87C  
2025-05-25 05:07:17 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x10000000 - 0x18000000]  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055

2025-05-25 05:07:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:07:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:07:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:07:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:07:58 - DIMM1 temperature: 42.000C  
2025-05-25 05:08:00 - Current CPU temperature: 79C  
2025-05-25 05:08:01 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x180000000 - 0x200000000]  
2025-05-25 05:08:44 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x200000000 - 0x280000000]  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:08:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:08:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:08:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:08:58 - DIMM0 temperature: 41.000C  
2025-05-25 05:08:58 - DIMM1 temperature: 42.000C  
2025-05-25 05:08:58 - Current CPU temperature: 86C  
2025-05-25 05:09:27 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x280000000 - 0x300000000]  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:09:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:09:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:09:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:09:58 - DIMM0 temperature: 40.750C  
2025-05-25 05:09:58 - DIMM1 temperature: 42.000C  
2025-05-25 05:09:58 - Current CPU temperature: 84C  
2025-05-25 05:10:10 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x300000000 - 0x380000000]  
2025-05-25 05:10:53 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x380000000 - 0x400000000]  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC0] DebugMisc=00000078  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610

2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:10:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:10:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:10:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:10:59 - DIMM0 temperature: 41.000C  
2025-05-25 05:10:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:10:59 - Current CPU temperature: 74C  
2025-05-25 05:11:36 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x40000000 - 0x48000000]  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:11:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:11:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:11:58 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:11:59 - DIMM0 temperature: 40.750C  
2025-05-25 05:11:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:11:59 - Current CPU temperature: 87C  
2025-05-25 05:12:19 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x48000000 - 0x50000000]  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:12:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:12:58 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:12:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:12:59 - DIMM0 temperature: 40.750C  
2025-05-25 05:12:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:12:59 - Current CPU temperature: 82C  
2025-05-25 05:13:02 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x50000000 - 0x58000000]  
2025-05-25 05:13:45 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x58000000 - 0x60000000]  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055

2025-05-25 05:13:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:13:59 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:13:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:13:59 - DIMM0 temperature: 40.750C  
2025-05-25 05:13:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:13:59 - Current CPU temperature: 86C  
2025-05-25 05:14:28 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x600000000 - 0x680000000]  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:14:58 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:14:59 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:14:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:14:59 - DIMM0 temperature: 40.750C  
2025-05-25 05:14:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:14:59 - Current CPU temperature: 85C  
2025-05-25 05:15:12 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x680000000 - 0x700000000]  
2025-05-25 05:15:55 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x700000000 - 0x780000000]  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC1] DebugMisc=00000078  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:15:59 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 05:15:59 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:15:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:15:59 - DIMM0 temperature: 40.750C  
2025-05-25 05:15:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:15:59 - Current CPU temperature: 76C  
2025-05-25 05:16:38 - RunHammerTest - Running hammer test on 4 CPUs (512MB each)  
[0x780000000 - 0x800000000]  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 05:16:59 - poll\_timings\_ryzen - [MC1] 16-20-20-38

2025-05-25 05:16:59 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)  
2025-05-25 05:16:59 - Current mem timings: 3600 MT/s (16-20-20-38)  
2025-05-25 05:16:59 - DIMM0 temperature: 40.750C  
2025-05-25 05:16:59 - DIMM1 temperature: 42.000C  
2025-05-25 05:16:59 - Current CPU temperature: 86C  
2025-05-25 05:17:48 - MtSupportRunAllTests - Test execution time: 849.433s (Test  
13 cumulative error count: 0, buffer full count: 0)  
2025-05-25 05:17:48 - Finished pass #4 (of 4) (Cumulative error count: 0, buffer  
full count: 0)  
2025-05-25 05:17:48 - Cleanup - Unlocking all memory ranges...  
2025-05-25 05:17:48 - All memory ranges successfully unlocked  
2025-05-25 05:17:50 - Test result: PASS (Errors: 0)  
2025-05-25 10:36:24 - Display test result summary  
2025-05-25 10:36:32 - Enabling graphics mode  
2025-05-25 10:36:32 - Get screen size  
2025-05-25 10:36:32 - Current screen size: 1024 x 768  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC0] DramConfiguration=00001936  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC0] DebugMisc=000000F8  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING1=14142610  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC0] UMC\_DRAMTIMING2=00140055  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC0] 16-20-20-38  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC1] DramConfiguration=00001936  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC1] DebugMisc=000000F8  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING1=14142610  
2025-05-25 10:36:32 - poll\_timings\_ryzen - [MC1] UMC\_DRAMTIMING2=00140055  
2025-05-25 10:36:33 - poll\_timings\_ryzen - [MC1] 16-20-20-38  
2025-05-25 10:36:33 - get\_mem\_ctrl\_timings - [0-24-2] 3600 MT/s (16-20-20-38)